

한국 물리학회 회보

2011.4 제29권 제1호

새물리 창간 50돌 기념행사

새물리 창간 (1962년 6월 10일 발간) 50주년을 기념하는 행사에
회원 여러분들을 초청합니다.
행사내용은 아래와 같습니다.

새물리 편집위원장 홍순철

1. 새물리 50주년 기념 특별상 수상강연



강연자: 김석원 회원 (울산대학교)

강연제목: 열물성 연구의 중요성과 국내외 연구현황

일시: 4월 14일 (목요일) 17:00 - 17:30

장소: 105호(응용물리분과 일반세션)

주요경력:

2005 산학연공동기술개발 우수상 (부울 중기청장)

2005 제 1회 NETZSCH KSTP THERMOPHYSICAL

PROPERTIES AWARD (NETZSCH 회장)

2008 논문상 (한국물리학회)

2. 새물리 포스터 발표상

새물리 발간 50주년을 기념하여, 기존의 포스터 발표상을
새물리 발간 50주년 기념 우수 포스터 발표상으로 변경하여
수여하기로 하였습니다.

회원 여러분의 많은 참여 있으시기를 바랍니다.

c . o . n . t . e . n . t . s

004 2011 한국물리학회 봄학술논문발표회 및
제87회 정기총회 전체일정표

•

005 등록 및 발표장 안내

•

006 대전컨벤션센터 발표장 안내도

•

009 구두발표논문 시간표

•

087 포스터발표논문 시간표

•

193 발표자 색인

2011 한국물리학회 봄학술논문발표회 및 제87회 정기총회 전체일정표

• 대전 컨벤션센터 2011. 4. 13(수)~15(금)

구두발표

| 시간 | | 101 응집 I | 102 응집 II | 103 응집 III | 104 응용/입자 | 105 응용 | 106 반도체 |
|------------------|---------|--|-------------------------------|--|---|---|------------------------------------|
| 4.13. (수) | | | | | | | |
| 9:30-11:30 | | DT 1 응집물질 실험연구자를 위한 전산물리(계속) | | | | | |
| 11:45-12:45 | | 기조강연 : Nagamiya SHOJI(301호) | | | | | |
| 13:00-15:00 | 세션 I | DT 1 응집물질 실험연구자를 위한 전산물리 | | | | EF 1 응용 Nitride research: Current issues | KG 1 반도체 혼정 및 기타 |
| 15:15-17:15 | 세션 II | DF 1 응집물질 Frontiers in Mesoscopic Systems | DG 1 응집물질 자성체 | A3 산학세션 | BG 2 입자 중성미자 실험 | EF 2 응용 Single Molecule Detection | A4 여성세션: Introduction to TeX |
| 17:30-18:30 | | | | | A5 대학원생을 위한 프로그램 | | KT 1 반도체 저차원 반도체의 양자전송 |
| 18:30-19:30 | | | | | | | |
| 4.14. (목) | | | | | | | |
| 9:00-11:00 | 세션 III | DF 2 응집물질 중성자 회절 장치와 기초연구 | DG 2 응집물질 나노물리 | PA 1 초전도100주년: Novel Superconductivity I (mostly cuprates) | EG 1 응용 Devices & Application | | KG 2 반도체 III-V 화합물반도체 |
| 11:15-12:15 | | 기조강연 : Stuart S. P. PARKIN(301호) | | | | | |
| 12:30-14:30 | 세션 IV | DF 3 응집물질 중성자 회절을 이용한 이차전지 연구 | DG 3 응집물질 나노물리 | PA 2 초전도100주년: Novel Superconductivity II(mostly Fe-based) | EG 2 응용 Nanomaterials & Nanodevices | PB1 Amorphous Metal - a New Material of Dreams | KF 1 반도체 Sensors |
| 14:45-16:45 | 세션 V | DF 4 응집물질 Topological Insulator | DF 5 응집물질 중이온기속기와 응집물리 | PA 3 초전도100주년: (14시부터) Emergent Superconductivity | EG 3 응용 Nanomaterials & Nanodevices | PB 2 Amorphous Metal - stronger than steel but moldable as plastic | KG 3 반도체 III-V 화합물반도체 |
| 17:00-19:00 | 세션 VI | DG 4 응집물질 나노물리 | DG 5 응집물질 무연물질/바이오/유 기물 | PA 4 초전도100주년: Novel Superconductivity III(young generation) | EG 5 응용 Advanced Materials | EG 4 응용 세물리특별강연 및 박막 | KG 4 반도체 II-VI 화합물반도체 |
| 4.15. (금) | | | | | | | |
| 9:00-11:00 | 세션 VII | DG 6 응집물질 강상관계 | DG 7 응집물질 표면/계면 | DF 6 응집물질 Graphene | | EF 3 응용 Metamaterials | KF 2 반도체 Flexible devices |
| 11:15-13:15 | 세션 VIII | DG 8 응집물질 강상관계 | DG 9 응집물질 나노물리 | DG 10 응집물질 표면/계면 및 기타 | EG 6 응용 Others | EF 4 응용 Medical Physics | KG 5 반도체 원소및IV-IV 화합물 반도체 |

포스터발표

| 세션 | P1 Session 4월 13일(수) 15:15~17:15 | P2 Session 4월 14일(목) 09:00~11:00 |
|---------------|---|---|
| 분과명 (발표번호) | 응집 (Dp-001~Dp-061) 응용 (Ep-001~Ep-048) 광학 (Ip-001~Ip-039) 반도체 (Kp-001~Kp-065) | 원자핵 (Op-001~Op-038) 응집 (Dp-062~Dp-112) 응용 (Ep-049~Ep-079) 플라스마 (Ip-001~Ip-050) 원자분자 (Jp-001~Jp-012) |

| | | | | | | |
|-----------|------------|-----|----------------------------|-----|------|-----|
| 107 | 108 | 204 | 205 | 206 | 209 | 301 |
| 입자 | 통계/물고/원자분자 | 천체 | 광학 및 양자/원자 | 핵물리 | 플라즈마 | |
| 4.13. (수) | | | | | | |
| | | | JT 1 원자분자 Quantum Chaos | | | |

기조강연 : Nagamiya SHOUJI(301호)

| | | | | | | |
|--|-----------------|--|--|---------------|--|--|
| TS 1 Open KIAS: Topical Symposium on Axion | | PC 1 Gravitational Waves & Gamma Ray Burst | JG 1 원자분자 Cold Atoms and Molecules | CG 1 원자핵물리 | PD 1 Laser & Plasma applications | A1 정책세션: 물리교육 정상화 |
| BG 1 입자/천체 지하시설 및 가속기 기반실험 | FG 1 통계 생물물리 | PC 2 Gravitational Waves & Gamma Ray Burst | JT 2 원자분자 Quantum Chaos | CG 2 원자핵물리 | PD 2 Laser & Plasma applications | A2 정책세션: 양성자, 중입자, 4세대 방사광가속기 |
| A6 Open KIAS 대중강연: LHC; 21세기 과학혁명을 꿈꾼다 | | | JT 3 원자분자 Quantum Chaos | | | 총 회 |

4.14. (목)

| | | | | | | |
|------------------|-------------------------|--|----------------------|-----------------------|---|---|
| BG 3 입자 입자현상론 | FF 1 통계 상전이와 임계현상 | | IF 1 광학 및 양자전자 | CF 1 입자/원자핵/ 천체 | HG 1 플라즈마 Basic Plasma Phenomena and Low Temperature Plasma Application | TS 2 Topical Symposium: Spin Science Symposium |
|------------------|-------------------------|--|----------------------|-----------------------|---|---|

기조강연 : Stuart S. P. PARKIN(301호)

| | | | | | | |
|------------------------|--|--|-------------------|------------------------|--|--|
| BG 4 입자 입자충돌실험 | GG 1 물리교육 | | IG 1 광학 및 양자전자 | CF 2 원자핵물리 기묘도물리 | HF 1 플라즈마 Plasma simulation and Modeling | |
| BG 5 입자 입자현상론 | JG 2 원자분자 Quantum Information & Atom Interactions | PC 3 Gravitational Waves & Gamma Ray Burst | IG 2 광학 및 양자전자 | CG 3 원자핵물리 | HG 2 플라즈마 Accelerator and Beam Physics | |
| BG6 입자특설세션/분과 총회 | FG 2 통계 복잡계 | PC 4 Gravitational Waves & Gamma Ray Burst | IG 3 광학 및 양자전자 | A7신진교수 | HF 2 플라즈마 Intrinsic Rotation in TOKAMAK | |

4.15. (금)

| | | | | | | |
|--------------------|--|---------|--|---------------|--|--|
| BG 7 입자 끈이론 | | LG 1 천체 | | CF 3 원자핵물리 | | |
| BG 8 입자 중력 및 장론 | | LG 2 천체 | | | | |

| | |
|---|----------------------------------|
| P3 Session 4월 14일(목) 14:45~16:45 | P4 Session 4월 15일(금) 09:00~11:00 |
| 입자 (Bp-III-001~Bp-III-025) | 응집 (Dp-IV-165~Dp-IV-222) |
| 응집 (Dp-III-113~Dp-III-164, Dp-III-223) | 응용 (Ep-IV-080~Ep-IV-167) |
| 통계 (Fp-III-001~Fp-III-030) 물리교육 (Gp-III-001~Gp-III-005) | 광학 (Ip-IV-040~Ip-IV-079) |
| 플라즈마 (Hp-III-051~Hp-III-093) | |
| 반도체 (Kp-III-066~Kp-III-123) 천체 (Lp-III-001~Lp-III-003) | |

등록 및 발표장 안내

1. 초록요약집(Epitome) 배부

초록요약집(Epitome)은 현장 등록 또는 사전 등록을 하신 분에게 배포합니다.

2. 등록비 및 회비

| 구 분 | | 금 액 | 구 분 | | 금 액 |
|-----|-----------|----------|--------------------|--------|----------|
| 등록비 | 평의원 · 정회원 | 100,000원 | 구독료 (평의원 · 정회원) | 1종류 구독 | 80,000원 |
| | 학생회원 | 60,000원 | | 2종류 구독 | 120,000원 |
| | 비회원 일반 | 200,000원 | | 3종류 구독 | 150,000원 |
| | 비회원 학생 | 100,000원 | | 1종류 구독 | 40,000원 |
| 회 비 | 평의원 | 100,000원 | 구독료 (학생회원) | 2종류 구독 | 60,000원 |
| | 정회원 | 50,000원 | | 3종류 구독 | 75,000원 |
| | 학생회원 | 20,000원 | | | |
| | | | 입회비 | 신입회원 | 10,000원 |

3. 발표장

| 분과명 | 구두발표장 | 포스터발표장 | 학회 주관 행사 |
|-------------|---------------|------------|---|
| 입자물리학과 | 104, 107, 206 | 포스터 발표장 | 등록: 1층 정기총회: 301호 / 평의원 리셉션: 2층 기초강연: 301호 / 정책세션: 301호 산학세션: 103호 / 여성세션: 106호 대학원생세션: 104호 / 신진교수세션: 206호 Open KIAS 대중강연: 107/108호 Topical Symposium: 107호(Open KIAS), 301호(Spin Science Sym.) Pioneering Symposium: 103호(초전도 100주년 기념) / 105호(Amorphous Metal) / 204호(Gravitational Wave) / 209호(Laser & Plasma) |
| 원자핵물리학과 | 206 | | |
| 응집물질물리학과 | 101, 102, 103 | | |
| 응용물리학과 | 104, 105 | | |
| 통계물리학과 | 108 | | |
| 물리교육학과 | 108 | | |
| 플라스마물리학과 | 209 | | |
| 광학 및 양자전자학과 | 205 | | |
| 원자 및 분자물리학과 | 108, 205 | | |
| 반도체물리학과 | 106 | | |
| 천체물리학과 | 204, 206 | | |

4. 포스터 발표

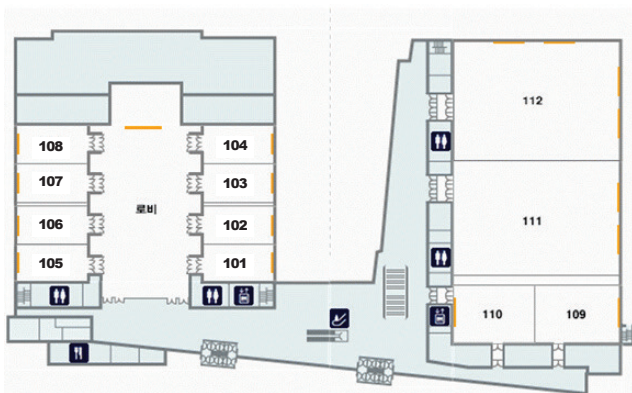
회원들이 시간적 여유를 가지고 포스터를 관람할 수 있도록 포스터는 지정된 포스터 세션 시작 30분 전에 미리 부착하여야 합니다. 또한, 포스터 세션 시작 후 1시간 동안은 공동저자 중 최소한 1명이 자리를 지키도록 의무화되어 있습니다. 그 시간 동안에는 자신의 포스터 앞에서 회원들의 질문에 답할 수 있도록 해주시기 바랍니다.

- 우수발표상 포스터부문에 후보로 선정되신 회원은 특히 자리를 지켜 주시기 바랍니다. 우수발표상에 선정이 되더라도 자리에 없는 경우 수상이 취소됩니다.
- 다음 발표자를 위하여 발표가 종료된 후 바로 포스터를 수거하여 주실 것도 부탁드립니다.

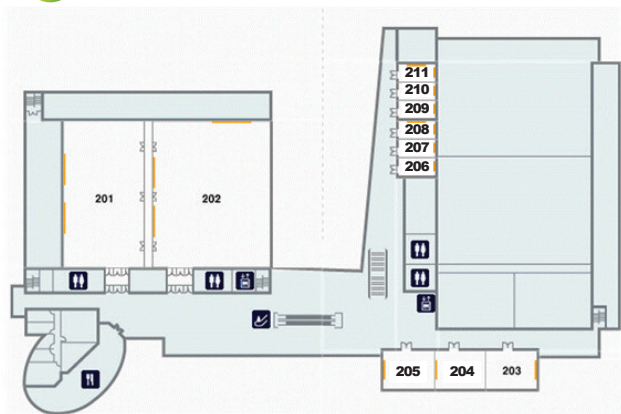
5. 우수발표상 후보 논문은 초록요약집에 *로 표시되어 있습니다.

대전컨벤션센터 발표장 안내도

1F



2F



The Korean Physical Society

구두발표논문 시간표

[AP] 기초강연

2011년 4월 13일 수요일 11:45 - 12:45

장소: 301

좌장: 고 병 원 KIAS

AP-01**J-PARC Project and Its Science / SHOJI Nagamiya(J-PARC)****[AP] 기초강연**

2011년 4월 14일 목요일 11:45 - 12:45

장소: 301

좌장: 이 현 우 포항공대

AP-02**The Spin on Electronics! - Science and Technology of spin currents in nano-materials and nano-devices / PARKIN Stuart S. P. (IBM Almaden Research Center, USA)****[A1] 정책세션 I: 물리교육 정상화**

2011년 4월 13일 수요일 13:00 - 14:50

장소: 301

좌장: 김 승 환 포항공대

A1-01 [13:00-13:05]

인사말 / 신성철(한국물리학회 회장)

A1-02 [13:05-13:25]

주제발표: 미래핵심역량과 물리교육 정상화 / 홍석륜(세종대)

A1-03 [13:25-14:00]

지정토론: 첨단과학 교육을 통한 미래 핵심 역량 발굴 / 박병윤(충남대)

A1-04 [13:25-14:00]

지정토론: 문·이과 구별없는 과학소양 교육 / 정진수(충북대)

A1-05 [13:25-14:00]

지정토론: 미래 핵심역량의 교과과정 및 실제 교육에의 반영도 / 오원근(충북대), 김종주(송문중)

A1-06 [13:25-14:00]

지정토론: 여학생 물리교육의 중요성 / 장혜원(성남동중)

A1-07 [14:05-14:40]

자유토론 / 김승환(포항공대)

A1-08 [14:40-14:50]
종합 / 김승환(포항공대)

[A2] 정책세션: 양성자, 중입자, 4세대 방사광가속기

2011년 4월 13일 수요일 15:15 - 17:15

장소: 301

좌장: 유 인 권 부산대

A2-01(초)

Pohang Synchrotron Radiation Sources: Current Status and Applications in Science / REE Moonhor, NAM Sang Hoon, KIM Kwang-Woo, HWANG Jung Yun, KIM Kyung-Ryul, KANG Tai-Hee(Pohang Accelerator Laboratory (PAL) & Pohang University of Science & Technology (POSTECH))

A2-02(초)

The Proton Engineering Frontier Project / CHOI Byung-Ho, PEPF Team(Proton Engineering Frontier Project, Korea Atomic Energy Research Institute)

A2-03(초)

희귀동위원소 가속용 중이온가속기 KoRIA / 홍승우, 중이온가속기 개념설계 팀(성균관대)

[A3] 산학세션 : CEO 특강과 일자리 소개

2011년 4월 13일 수요일 15:15 - 17:05

장소: 103

좌장: 유 천 열 인하대 / 우 정 원 이화여대

A3-01 [15:15-16:05]

기초기술 연구회 및 소관 출연 연구기관 소개

A3-02 [16:05-16:25]

Hynix 취업 설명회 / 조상욱(Hynix)

A3-03 [16:25-17:05]

미래기술은 예측이 가능한가? / 유인경(삼성증권)

[A4] 여성세션 : Introduction to TeX

2011년 4월 13일 수요일 16:00 - 17:00

장소: 106

좌장: 송 정 현 건국대

A4-01 [16:00-17:00]

왕초보 귀차니스트 당신 손 안에 드리는 최신 휴대용 TeX / 김강수(한국텍학회 부회장)

[A5] 대학원생 세션: 논문 작성법 특강

2011년 4월 13일 수요일 17:30 - 18:30

장소: 104

좌장: 강 세 중 고려대

A5-01 [17:30-18:30]

논문을 어떻게 써야 하는가? / 염한웅(포항공대)

[A6] Open KIAS 대중강연: LHC; 21세기 과학혁명을 꿈꾼다

2011년 4월 13일 수요일 17:30 - 19:30

장소: 107/108

좌장: 전 응 진 KIAS

A6-01

우주는 어떻게 만들어졌는가? / 남순건(경희대)

A6-02

Particles War - 유럽과 미국의 가속기 경쟁사 / 이강영(건국대)

[A7] 신진교수 세션

2011년 4월 14일 목요일 17:00 - 19:00

장소: 206

좌장: 유 천 열 인하대

A7-01(초) [17:00-17:30]

물리학회 역할 소개 / 유천열(인하대)

A7-02(초) [17:30-18:15]

물리 강의에 대한 몇 가지 제안 / 김찬주(이화여대 물리학과)

A7-03(초) [18:15-19:00]

2011년 이공분야 기초연구사업 소개 / 허정은(한국연구재단 수리과학단 PO)

[PA1] Pioneering Symposium: 100th Anniversary of the Discovery of Superconductivity - Novel Superconductivity I (Mostly cuprates)

2011년 4월 14일 목요일 09:00 - 10:30

장소: 103

좌장: Yunkyu Bang 전남대

[09:00-09:05]

Opening Remark / HONG Gye-Won(President of the Korean Superconductivity Society)

PA-01 [09:05-09:30]

Dynamically induced Fermi arcs and pockets: A model for the pseudogap in underdoped cuprates / CHOI Han-Yong(Department of Physics, SungKyunKwan University)

PA-02 [09:30-10:05]

Orbital Fluctuation Mediated Superconductivity in Iron Pnictides based on the Five Orbital Hubbard-Holstein Model / KONTANI Hiroshi(Nagoya University)

PA-03 [10:05-10:30]

Intimate connection between quantum antiferromagnetism and strongly correlated superconductivity / PARK Kwon(Korea Institute for Advanced Study)

[PA2] Pioneering Symposium: 100th Anniversary of the Discovery of Superconductivity - Novel Superconductivity II (Mostly Fe-based)

2011년 4월 14일 목요일 12:30 - 13:55

장소: 103

좌장: Changyoung Kim 연세대

PA-04 [12:30-13:05]

High pressure synthesis and properties of oxygen-deficient oxypnictide superconductors LnFeAsO_{1-y} / EISAKI H.(National Institute of Advanced Industrial Science and Technology (AIST), Japan / JST, Transformative Research-Project on Iron Pnictides (TRIP), Japan), **MIYAZAWA K.**(National Institute of Advanced Industrial Science and Technology (AIST), Japan / Department of Applied Electronics, Tokyo University of Science, Japan), **NAKAJIMA M., ISHIDA S.**(National Institute of Advanced Industrial Science and Technology (AIST), Japan / Dept. of Physics, University of Tokyo, Japan / JST, Transformative Research-Project on Iron Pnictides (TRIP), Japan), **ISHIKADO M.**

(National Institute of Advanced Industrial Science and Technology (AIST), Japan / Quantum Beam Science Directorate, Japan Atomic Energy Agency, Japan / JST, Transformative Research-Project on Iron Pnictides (TRIP), Japan), KIHOU K.(National Institute of Advanced Industrial Science and Technology (AIST), Japan / JST, Transformative Research-Project on Iron Pnictides (TRIP), Japan), SHIRAGE P. M.(National Institute of Advanced Industrial Science and Technology (AIST), Japan), LEE C. H., TAKESHITA N., KUMAI R., TOMIOKA Y., KITO H., ITO T.(National Institute of Advanced Industrial Science and Technology (AIST), Japan / JST, Transformative Research-Project on Iron Pnictides (TRIP), Japan), SHAMOTO S.(Quantum Beam Science Directorate, Japan Atomic Energy Agency, Japan / JST, Transformative Research-Project on Iron Pnictides (TRIP), Japan), UCHIDA S.(Dept. of Physics, University of Tokyo, Japan / JST, Transformative Research-Project on Iron Pnictides (TRIP), Japan), IYO A.(National Institute of Advanced Industrial Science and Technology (AIST), Japan / Department of Applied Electronics, Tokyo University of Science, Japan / JST, Transformative Research-Project on Iron Pnictides (TRIP), Japan)

PA-05 [13:05-13:30]

X-ray emission spectroscopy study of local magnetism in Fe based / KIM Young-June(University of Toronto)

PA-06 [13:30-13:55]

Superconductivity and anisotropy in SrPd_2Ge_2 single crystals / SUNG Nak-Heon(Dept. of Materials Science and Engineering, Gwangju Institute of Science and Technology (GIST)), RHYEE Jong-Soo(Materials Research Laboratory, Samsung Advanced Institute of Technology), KANG B. Y.(Dept. of Materials Science and Engineering, Gwangju Institute of Science and Technology (GIST)), CHO B. K.(Dept. of Materials Science and Engineering, and Dept. of Nanobio Materials and Electronics, Gwangju Institute of Science and Technology (GIST))

[PA3] Pioneering Symposium: 100th Anniversary of the Discovery of Superconductivity - Emergent Superconductivity

2011년 4월 14일 목요일 14:00 - 15:25

장소: 103

좌장: H. J. Choi

PA-07 [14:00-14:35]

Antiferromagnetic Order and Superconductivity in Iron-based Selenide Superconductors / XIANG T.(Institute of Physics, Chinese Academy of Sciences, China, Institute of Theoretical Physics, Chinese Academy of Sciences, China)

PA-08 [14:35-15:00]

Hydrocarbon K_3picene superconductor near the metal-insulator transition / KIM M., MIN B. I.(Department of Physics, Pohang University of Science and Technology), LEE G., KWON H. J., RHEE Y. M., SHIM J.

H.(Department of Chemistry, Pohang University of Science and Technology)

PA-09 [15:00-15:25]

Quantum Critical Superconductivity in the Heavy-fermion CeRhIn5 / PARK Tuson(Sungkyunkwan University)

[PA4] Pioneering Symposium: 100th Anniversary of the Discovery of Superconductivity - Novel Superconductivity III (Young generation)

2011년 4월 14일 목요일 15:45 – 17:30

장소: 103

좌장: Jun-Sung Kim

PA-10 [15:45-16:05]

Electronic structure studies on the orbital characters and quasi-particle dynamics of LiFeAs / 김용관, 김범영, 김철, 송동준, 경원식(연세대), 이범성, 김기훈(서울대)

PA-11 [16:05-16:25]

First Principles Dynamical Mean Field Study of LiFeAs / LEE Geunsik, JI Hyo Seok, SHIM Ji Hoon(Department of Chemistry, POSTECH), KIM Y. K., KIM Changyoung(Institute of Physics and Applied Physics, Yonsei University)

PA-12 [16:25-16:45]

Doping Dependence Study of Upper Critical Field H_{c2} in $\text{SrFe}_{2-x}\text{Ni}_x\text{As}_2$ Single Crystals / 김승현, 전병구(서울대), 최은상(NHMFL, Florida State University, USA), 최기영, 김기훈(서울대)

PA-13 [16:45-17:05]

Superconducting states study in the electron-overdoped $\text{BaFe}_{1.8}\text{Co}_{0.2}\text{As}_2$ using the terahertz and far infrared spectroscopy / HONG Jong Beom, JANG Yoo Ran, YOON Jae Hyun(Department of Physics, Sungkyunkwan University), OH Hyun Jin(Department of Ophthalmic Optics, Masan University), SONG Yun Young(Department of Physics, Sungkyunkwan University), IIZUKA Takuya(School of Physical Sciences, The Graduate University for Advanced Studies, Japan), KIMURA Shin-ichi(UVSOR Facility, Institute for Molecular Science, Japan), KWON Yong Seung(Department of Physics, Sungkyunkwan University)

PA-14 [17:05-17:25]

Superconducting Nb islands on W(110) substrate: A Scanning Tunneling Spectroscopy study / SUH Hwansoo(Samsung Advanced Institute of Technology), JEON Sangjun, KIM Sungmin, KUK Young(Department of Physics and Astronomy, Seoul National University)

[17:25-17:30]

Closing Remark / LEE Hu-jong(POSTECH)

[PB1] Pioneering Symposium: Amorphous Metal - a New Material of Dreams

2011년 4월 14일 목요일 12:30 - 14:30

장소: 105

좌장: Haein Yim 숙명여대

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PB-01 [12:30-12:55]

Amorphous Metal-Overview for Structural and Functional Applications- / KIM Do Hyang(Center for Noncrystalline Materials, Dept. of Materials Science and Engineering, Yonsei University)

PB-02 [12:55-13:20]

Stress-driven localization process in amorphous solids: Atomistic simulation, mesoscopic model and continuum modeling /

LI Mo(School of Materials Science and Engineering, Georgia Institute of Technology)

PB-03 [13:20-13:40]

Synthesis of amorphous metal composites using phase separation phenomenon /

HYEJUNG CHANG(Nano Analysis Center, Korea Institute of Science and Technology)

PB-04 [13:40-14:05]

Applications of Amorphous Metal : Micro/Nano-Imprints and Thin Films /

CHU Jinn P.(Department of Materials Science and Engineering, Graduate Institute of Engineering, National Taiwan University of Science and Technology, Taiwan)

PB-05 [14:05-14:30]

Developments of Fe Family Bulk Glassy Alloys with Outstanding Mechanical and Soft-magnetic Properties /

SHEN Baolong(Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences, China), INOUE Akihisa(University Professor, Tohoku University, Japan)

[PB2] Pioneering Symposium: Amorphous metal - stronger than steel but moldable as plastic

2011년 4월 14일 목요일 14:45 - 16:45

장소: 105

좌장: E.S. Park SNU

PB-06 [14:45-15:10]

Nucleation and Growth of Beta Phase in In-situ Amorphous Metal Matrix Composites / LEE Seung-Yub(Applied Physics and Applied Mathematics Department, Columbia University)

PB-07 [15:10-15:35]

Development of ductile amorphous metal composites based on the transformation-induced plasticity concept / LU Z. P.(State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, P. R. China)

PB-08 [15:35-16:00]

An investigation of the structure-property relationships in Cu-Zr based amorphous metal / FLEURY Eric, PARK Kyoung-Won(Center for High Temperature Energy Materials, Korea Institute of Science and Technology (KIST)), LEE Byeong-Joo(Department of Materials Science and Engineering, Pohang University of Science and Technology (POSTECH))

PB-09 [16:00-16:25]

Deformation of (TiCu)-based amorphous metal and composites / KIM Ki Buem(Department of Advanced Materials Engineering, Sejong University)

PB-10 [16:25-16:45]

Amorphous metal as permeable membranes for the production of high purity hydrogen / SUH Jin-Yoo, FLEURY1 Eric(KIST Division of Materials and Devices, Center for High Temperature Energy Materials), KIM Yu-Chan(Center for Functional Materials), KIM C. Paul(W.M. Keck Laboratory, California Institute of Technology, USA)

[PC1] Pioneering Symposium: Gravitational Waves and Gamma Ray Burst I

2011년 4월 13일 수요일 13:00 - 15:00

장소: 204

좌장: 이창환 부산대

PC-01(초) [13:00-13:30]

Introduction to LCGT / KAJITA Takaaki(ICRR, Univ. of Tokyo)

PC-02(초) [13:30-14:00]

Science of LCGT / KAWAMURA Seiji(ICRR & NAOJ)

PC-03(초) [14:00-14:30]

Design of LCGT / MIO Norikatsu(Univ. of Tokyo)

PC-04(초) [14:30-15:00]

Optical frequency standard and femtosecond frequency comb for gravitational wave detector / YOON Taehyun(Korea Univ.)

[PC2] Pioneering Symposium: Gravitational Waves and Gamma Ray Burst II

2011년 4월 13일 수요일 15:15 - 16:15

장소: 204

좌장: 강 궁 원 과학기술정보연

PC-05(초) [15:15-15:45]

Atom interferometry using ultracold atoms and its applications to high-precision measurements / KIM Jaewan(Myungji Univ.)

PC-06(초) [15:45-16:15]

The Low-Latency Search for Gravitational Waves from Compact Binary Coalescence / OH Sang Hoon(National Institute for Mathematical Sciences (NIMS))

[PC3] Pioneering Symposium: Gravitational Waves and Gamma Ray Burst III

2011년 4월 14일 목요일 14:45 - 16:15

장소: 204

좌장: 남 지 우 이화여대

PC-07(초) [14:45-15:15]

Gamma Ray Burst Science over short time scales and long wavelength scales /

LINDER Eric(Institute for the Early Universe, Seoul & University of California, Berkeley)

PC-08(초) [15:15-15:45]

Properties of the intermediate-duration gamma-ray bursts by the RHESSI satellite /

RIPA Jakub(Charles University)

PC-09(초) [15:45-16:15]

Gamma Ray Burst at High Redshift / IM Myungshin(Seoul National Univ.)

[PC4] Pioneering Symposium: Gravitational Waves and Gamma Ray Burst IV

2011년 4월 14일 목요일 16:30 – 17:30

장소: 204

좌장: 남 지 우 이화여대

PC-10(초) [16:30-17:00]

Exploring the Rise Phase of GRB Optical Emission: The Ultra-Fast Flash Observatory (UFFO) Program / GROSSAN Bruce(Univ. of California at Berkeley)

PC-11(초) [17:00-17:30]

Gamma-ray burst: prompt emission and afterglow studies at IAA-CSIC / CASTRO-TIRADO Alberto J.(Institut de Astrofisica de Analucia, Spain)

[PD1] Pioneering Symposium : Laser and plasma applications: accelerator, light source, bio&nano technology I

2011년 4월 13일 수요일 13:00 – 15:00

장소: 209

좌장: 차 용 호 원자력연

PD-01(초) [13:00-13:30]

Extreme field science with ultrahigh power lasers / BULANOV Sergei V.(Advanced Beam Technology Division, Japan Atomic Energy Agency)

PD-02(초) [13:30-14:00]

Ongoing Topics of Laser-Plasma Systems at CPL / HUR Min Sup (UNIST, School of Electrical and Computer Engineering)

PD-03(초) [14:00-14:30]

Preparation Status for Several Tens MeV Proton Acceleration from the Interaction of Ultraintense High-Contrast Laser with Thin Foil Targets / CHOI I. W., KIM I. J., PAE K. H., KIM H. T., NAM K. H., YUN H., LEE S. K., SUNG J. H., YU T. J., JEONG T. M., LEE J.(Advanced Photonics Research Institute, GIST)

PD-04(초) [14:30-15:00]

Generation of intense proton beams by utilizing plastic targets irradiated by an ultra-intense laser pulse / LEE Kitae(Quantum Optics Division, Korea Atomic Energy Research Institute), LEE Ji Young(Quantum Optics Division, Korea Atomic Energy Research Institute / Department of Applied Optics and Electromagnetics, Hannam University), PARK Seong Hee, CHA Yong-Ho, LEE Yong Woo(Quantum Optics Division, Korea Atomic Energy Research Institute), KIM Kyung Nam(Quantum Optics Division, Korea Atomic Energy Research Institute / Physics Department, Kongju National University),

**[PD2] Pioneering Symposium : Laser and plasma applications:
accelerator, light source, bio&nano technology II**

2011년 4월 13일 수요일 15:15 - 17:15

장소: 209

좌장: 이 해 준 부산대

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PD-05(초) [15:15-15:45]

From Relaxation Continuum model for a low temperature plasma to a two-layer surface model for feature profile /
MAKABE Toshiaki(Keio University, Japan)

PD-06(초) [15:45-16:15]

Plasma technologies for solar and nano devices / JOO Junhoon
(Department of Materials Science and Engineering and Plasma Materials Research Center)

PD-07(초) [16:15-16:45]

고에너지 펄스 레이저 어블레이션의 가공기술 응용 / 정성호, 김성훈, 임현택, 정희민(광주과학기술원)

PD-08(초) [16:45-17:15]

Effects of Low-Temperature Atmospheric-Pressure Plasmas on Cancer Cells and on Tooth Whitening / KIM Gyoocheon(Department of Oral Anatomy and Cell Biology, Pusan National University)

[TS1] Open KIAS 특강: Topical Symposium on Axion

2011년 4월 13일 수요일 13:00 – 15:00

장소: 107

좌장: 고 병 원 고등과학원

TS-01(초) [13:00-14:00]

The strong CP needs axions / KIM Jihn E.(Seoul National Univ)

TS-02(초) [14:00-15:00]

Ultrasensitive Searches for the Axion / VAN BIBBER Karl(Naval Postgraduate School)**[TS2] Topical Symposium : Spin Science Symposium**

2011년 4월 14일 목요일 09:00 – 11:00

장소: 301

좌장: 유 천 열 인하대

TS-03(초)

Quantifying Spin-Hall Effects in Metals / HOFFMANN Axel(Materials Science Division, Argonne National Lab., USA)

TS-04(초)

Vortex-gyration-mediated energy and information-signal transfer in dipolar-coupled magnetic disks / KIM Sang-Koog, JUNG Hyunsung, LEE Ki-Suk, CHOI Youn-Seok, YU Young-Sang, HAN Dong-Soo (National Creative Research Initiative Center for Spin Dynamics & Spin-Wave Devices, Department of Materials Science and Engineering, Seoul National University), VOGEL Andreas(Institut für Angewandte Physik und Zentrum für Mikrostrukturforschung, Universität Hamburg, Germany), BOCKLAGE Lars, MEIER Guido(Institut für Angewandte Physik und Zentrum für Mikrostrukturforschung, Universität Hamburg, Germany), IM Mi-Young, FISCHER Peter(Center for X-ray Optics, Lawrence Berkeley National Laboratory, USA)

TS-05(초)

Exploration for magnetoelectric multiferroics working at room temperature / KIMURA Tsuyoshi(Division of Materials Physics, Graduate School of Engineering Science, Osaka University, Japan)

TS-06(초)

Perpendicular Anisotropy at MgO-CoFeB Interface for High Performance Spintronics Devices / OHNO Hideo(Center for Spintronics Integrated Systems, Tohoku University, Japan / Laboratory for Nanoelectronics and Spintronics, Research Institute of Electrical Communication, Tohoku University)

[BG1] 입자물리학분과회 General Session: 입자, 천체 지하시설 및 가속기 기반실험

2011년 4월 13일 수요일 15:15 - 16:45

장소: 107

좌장: 김 홍 주 경북대

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BG-01* [15:15-15:30]**Measurement of np elastic scattering at J-PARC KL Beam Line /**

백광윤(부산대), 김은주(전북대), 이효상(서울대), 임계엽(고에너지가속기연구기구(KEK), 우종관, 고재우(제주대), 정명신(한양대), 최봉혁, 안정근(부산대)

BG-02 [15:30-15:45]**Background study of $^{40}\text{Ca}^{100}\text{MoO}_4$ crystal for Neutrinoless Double****Beta Decay search /** SO J. H., KIM H. J., HWANG Y. S., JIANG Hwa(경북대), KIM S. K., MYUNG S. S., CHOI J. H., LEE M. J., LEE S. J., LEE J. I., KIM S. C., LEE H. S., KIM K. B., KOVYCHEV V., LI J., LI X., OLSEN S., BHANG H., CHOI S., TANIDA K., SATO Y.(서울대), KIM Y. D., KANG W. G.(세종대), KIM Y. H., LEE M. K., PARK H., LEE J. M., LEE K. B.(표준과학연구소)**BG-03 [15:45-16:00]****Status of the KIMS Annual Modulation Study /**

최정훈, 김선기, 방형찬, OLSEN S.L., 명성숙, 이정일, 이명재, 김승천, 이주희, 이상준, 류수, 이재금, 성일수, 김경원(서울대), 김영덕, 강운구(세종대), 김홍주, 소중호(경북대), 권영준, 황명진(연세대), 한인식(이화여대), YUE Q., LI J., LI Y.J.(Tsinghua University)

BG-04* [16:00-16:15]**Integration of Large SCD for the CREAM-VII experiment /**

전진아, 나고운(이화여대, 물리학과), 남지우(이화여대, 기초과학연구소), 박일홍, 서정은(이화여대, 물리학과), 이직(이화여대, 기초과학연구소), 이해영(이화여대, 물리학과)

BG-05 [16:15-16:30]**The Improved Limits on Interactions between Weakly Interacting****Massive Particles and Nucleons from KIMS experiment /** KIM S.C., KIM S.K., BHANG H.C., OLSEN S.L., MYUNG S.S., LEE M.J., CHOI J.H., LEE J.H., LEE S.J., LEE J.K., SEONG I.S., KIM K.W., LEE J.I.(DMRC and Department of Physics and Astronomy, Seoul National University), KIM Y.D., KANG W.K.(Department of Physics, Sejong University), KIM H.J., SO J.H.(Department of Physics, Kyungpook National University), KWON Y.J., HWANG M.J.(Department of Physics, Yonsei University), HAHN I.S.(Department of Science Education, Ewha Womans University), YUE Q., LI J., LI Y.J.(Department of Engineering Physics, Tsinghua University)

BG-06 [16:30-16:45]

JEM-EUSO 실험의 현황과 한국 그룹의 최근 연구성과 / 남지우, 임희진, 남구현, 남신우, 박일홍(이화여대), 고승환(KAIST, 기계공학과), (for JEM-EUSO Collaboration)

[BG2] 입자물리학회대회 General Session: 중성미자 실험

2011년 4월 13일 수요일 15:15 - 17:00

장소: 104

좌장: 김 영 덕 세종대

BG-07(초) [15:15-15:45]

Construction of RENO Experiment / 박명렬(동신대), 김우영, 도호석, 스테파난 사무엘, 체보타료프 세르게이(경북대), 박인곤(경상대), 최준호(동신대), 김성현, 안정근(부산대), 박강순(서경대), 장한일(서강정보대학), 강보라, 김동구, 김수봉, 박정식, 신진욱, 양병수, 이재승, 최선호, 최원국(서울대), 유인태, 이승현, 최영일(성균관대), 강운구, 김영덕, 마경주, 전은주(세종대), 김병찬, 김재률, 서승원, 여인성, 임인택, 장지승, 정인석, 주경광, 최을임(전남대), 김현수(전북대), 김시연(중앙대), HILL James(California State University Dominguez Hills)

BG-08 [15:45-16:00]

RENO Slow Control and Monitor System / 최준호, 박명렬(동신대), 김우영, 도호석, 스테파난 사무엘, 체보타료프 세르게이(경북대), 박인곤(경상대), 김성현, 안정근(부산대), 박강순(서경대), 장한일(서강정보대학), 강보라, 김동구, 김수봉, 박정식, 신진욱, 양병수, 이재승, 최선호, 최원국(서울대), 유인태, 이승현, 최영일(성균관대), 강운구, 김영덕, 마경주, 전은주(세종대), 김병찬, 김재률, 서승원, 여인성, 임인택, 장지승, 정인석, 주경광, 최을임(전남대), 김현수(전북대), 김시연(중앙대), HILL James(California State University Dominguez Hills)

BG-09 [16:00-16:15]

RENO 1D/3D Calibration System / 박강순(서경대), 김우영, 사무엘 스테파난, 세르게이 체보타료프, 도호석(경북대), 박인곤(경상대), 박명렬, 최준호(동신대), 김성현, 안정근(부산대), 장한일(서강정보대학), 강보라, 김동구, 김수봉, 박정식, 신진욱, 양병수, 이재승, 최선호, 최원국(서울대), 유인태, 이승현, 최영일(성균관대), 강운구, 김영덕, 마경주, 전은주(세종대), 김병찬, 김재률, 서승원, 여인성, 임인택, 장지승, 정인석, 주경광, 최을임(전남대), 김현수(전북대), 김시연(중앙대), HILL James(California State University Dominguez Hills)

BG-10* [16:15-16:30]

RENO PMT Installation and Detector Closing / 박정식(서울대), 김우영, 도호석, 사무엘 스테파난, 세르게이 체보타료프(경북대), 박인곤(경상대), 박명렬, 최준호(동신대), 김성현, 안정근(부산대), 박강순(서경대), 장한일(서강정보대학), 강보라, 김동구, 김수봉, 신진욱, 양병수, 이재승, 최선호, 최원국(서울대), 유인태, 이승현, 최영일(성균관대), 강운구, 김영덕, 마경주, 전은주(세종대), 김병찬, 김재률, 서승원, 여인성, 임인택, 장지승, 정인석, 주경광, 최을임(전남대), 김현수(전북대), 김시연(중앙대), JAMES Hill(California State University Dominguez Hills)

BG-11 [16:30-16:45]

RENO Liquid Scintillator Production /

이재승(서울대), 김우영, 도호석, 사무엘 스테파난, 세르게이 체보타료프(경북대), 박인곤(경상대), 박명렬, 최준호(동신대), 김성현, 안정근(부산대), 박강순(서경대), 장한일(서강정보대), 강보라, 김동구, 김수봉, 박정식, 신진욱, 양병수, 최선호, 최원국(서울대), 유인태, 이승현, 최영일(성균관대), 강운구, 김영덕, 마경주, 전은주(세종대), 김병찬, 김재률, 서승원, 여인성, 임인택, 장지승, 정인석, 주경광, 최을임(전남대), 김현수(전북대), 김시현(중앙대), HILL James(California State University Domingues Hills)

B

BG-12 [16:45-17:00]

RENO DAQ, Run Control, and Dry Run /

양병수(서울대), 김우영, 도호석, 스테파난, 사무엘, 체보타료프 세르게이(경북대), 박인곤(경상대), 박명렬, 최준호(동신대), 김성현, 안정근(부산대), 박강순(서경대), 장한일(서강정보대), 강보라, 김동구, 김수봉, 박정식, 신진욱, 양병수, 이재승, 최선호, 최원국(서울대), 유인태, 이승현, 최영일(성균관대), 강운구, 김영덕, 마경주, 전은주(세종대), 김병찬, 김재률, 서승원, 여인성, 임인택, 장지승, 정인석, 주경광, 최을임(전남대), 김현수(전북대), 김시연(중앙대)

[CF1] 입자·원자핵·천체물리학분과회 공동 Focused Session

2011년 4월 14일 목요일 09:00 - 11:00

장소: 206

좌장: 이창환 부산대

CF-01(초) [09:00-09:30]

Current Status of the KoRIA Project / HONG Seung-Woo
(Sungkyunkwan University)

CF-02(초) [09:30-10:00]

Physics Research with KoRIA / KIM YONG KYUN(Hanyang University)

CF-03(초) [10:00-10:30]

Nuclear astrophysics / KAJINO Toshitaka(National Astronomy Observatory of Japan)

CF-04(초) [10:30-11:00]

Particle Physics at KoRIA / 홍덕기(부산대), 최수용(고려대)

[BG3] 입자물리학분과회 General Session: 입자현상론 I

2011년 4월 14일 목요일 09:00 - 11:00

장소: 107

좌장: 계범석 부산대

BG-13(초) [09:00-09:30]

UED as an effective theory of RS / PARK Seong Chan(전남대)

BG-14 [09:30-09:45]

Techni-dilaton as Dark Matter / MATSUZAKI Shinya, HONG Deog Ki, CHOI Ki-Young(Pusan National University)

BG-15 [09:45-10:00]

Right-handed Sneutrino Dark Matter with $U(1)_{B-L}$ Gauge Symmetry / PARK Jong-Chul, BANDYOPADHYAY Priyotosh, CHUN Eung Jin(KIAS, School of Physics)

BG-16 [10:00-10:15]

$N=4$ Supersymmetric Yang-Mills Theory in Soft Collinear Effective Theory / LEE Jae Yong, CHAY Junegone(고려대)

BG-17 [10:15-10:30]

Unparticle contributions to $W B_s - W B_s^*$ mixing / LEE Jong-Phil(연세대)

BG-18 [10:30-10:45]

CP violating dimuon charge asymmetry in general left-right models / 남수현(한국과학기술정보연구원, 수퍼컴퓨팅센터), 이강영(건국대)

BG-19 [10:45-11:00]

The Second Kaluza-Klein Higgs Boson in the Minimal UED Mode / 송정현, 장상현, 이강영(건국대)

[BG4] 입자물리학과분과회 General Session: 입자충돌실험

2011년 4월 14일 목요일 12:30 - 14:45

장소: 107

좌장: 원은일 고려대

BG-20 [12:30-12:45]

Search for a W' in the Final State with Electron and Missing Transverse Energy in pp Collisions Using 36pb-1 at $\sqrt{s}=7$ TeV / CHANG S., KIM D. H., OH Y. D.(WCU Collider Physics Research Kyungpook National University), HOEPFNER K., KNUTZEN S., MILLET P.(Aachen), WITTICH P., PUIGH D.(Cornell University), MALBERTI M., GUIO F. De, GHEZZI A.(Milano Bicocca)

BG-21 [12:45-13:00]

Validation of Tau Lepton Identification using the CMS Detector at the Large Hadron Collider /

KIM Jieun(Kyungpook National Univ., Department of Physics), MONTALVO Roy, SENGUPTA Sinjini, KAMON Teruki, GURROLA Alfredo, SAKUMA Tai, FLANAGAN Will, MAROTTA Angela(Texas A&M Univ., Department of Physics)

BG-22 [13:00-13:15]

A Search for $B_{s(d)}^0 \rightarrow \mu^+ \mu^-$ decays at CDF / KONG D. J., KIM D. H., UOZUMI S.(WCU Collider Physics Research Kyungpook National University), KAMON T.(TAMU & WCU Collider Physics Research Kyungpook National University), GLENZINSKI D.(Fermilab), HERNDON M.(University of Wisconsin, Madison), HOPKINS W., TOMSON J.(Cornell University), KRUTELYOV V. (University of California, Santa Barbara), LIN C.J.(Lawrence Berkeley National Laboratory)

BG-23 [13:15-13:30]

Measurement of the Top Quark Pair Production Cross Section in the Dilepton Channel at CMS / CHOI Suyong(Korea University), GOH Jungwhan, KIM Minsuk(Sungkyunkwan University), KIM Taejong(Korea University), LEE Byoungsoon, YU Intae(Sungkyunkwan University)

BG-24 [13:30-13:45]

A Study of Energy Containment Correction of CMS ECAL Endcap Calorimeter / YANG Yuchul, KIM DongHee, KONG Daejung, LEE Jungeun (WCU Collider Physics Research Kyungpook National University), COCKERILL Dave(RAL), LEDOVSKOY Alexander(University of Virginia)

BG-25* [13:45-14:00]

High Level Trigger at Belle II / LEE Soohyung(Korea University, Department of Physics), ITOH Ryosuke(KEK, IPNS), WON Eunil(Korea University, Department of Physics), HIGUCHI Takeo, NAKAO Mikihiro, SUZUKI Soh(KEK, IPNS)

BG-26* [14:00-14:15]

A Study of $B \rightarrow X_s \gamma$ with Hadronic Tagging at Belle / 임초롱, IWABUCHI Masaya, 권영준(연세대)

BG-27* [14:15-14:30]

The search for the purely leptonic $B^+ \rightarrow l^+ \nu$ ($l = e$ or μ) decay using the full-reconstruction method / YOOK Youngmin, KWON Youngjoon, IWABUCHI Masaya(Yonsei univ, Department of Physics)

BG-28 [14:30-14:45]

Determination of $J^{PC}(X)$ from $X(3872) \rightarrow J/\psi + 2 \pi$ (3 π) within chiral lagrangian with vector meson dominance / 유채현, 고병원(KIAS)

[BG5] 입자물리학분과회 General Session: 입자현상론 II

2011년 4월 14일 목요일 14:45 - 16:15

장소: 107

좌장: 최 성 렬 전북대

BG-29 [14:45-15:00]

Determination of color-singlet and color-octet NRQCD matrix

elements / 유채현, 고병원(고등과학원, 물리학부), 이정일, 정희석(고려대)

BG-30 [15:00-15:15]

Covariance fitting of highly correlated B_k data / YOON Boram, JANG Yong-Chull(Department of Physics and Astronomy, Seoul National University), JUNG Chulwoo(Physics Department, Brookhaven National Laboratory), LEE Weonjong(Department of Physics and Astronomy, Seoul National University)

BG-31 [15:15-15:30]

Mixed Precision Multi GPU Performance of Conjugate Gradient Solver with Staggered Fermions / KIM Hyung-Jin(서울대)

BG-32 [15:30-15:45]

Lattice study of dense two color QCD with $N_f=2$ and 4 / KIM Seyong(Sejong University, Department of Physics), HANDS Simon, KENNY Philip(Swansea University, Department of Physics), SKULLERUD Jon-Ivar(National University of Ireland, Maynooth)

BG-33 [15:45-16:00]

Finite Volume Effects in B_k with Improved Staggered Fermions / JANGHO KIM(Lattice Gauge Theory Research Center, FPRD, and CTP, Department of Physics and Astronomy, Seoul National University), CHULWOO JUNG(Physics Department, Brookhaven National Laboratory), HYUNG-JIN KIM, WEONJONG Lee(Lattice Gauge Theory Research Center, FPRD, and CTP, Department of Physics and Astronomy, Seoul National University), STEPHAN R. SHARPE(Physics Department, University of Washington)

BG-34 [16:00-16:15]

Towards the Standard Model from F-theory / CHOI Kang Sin(Korea Institute for Advanced Study)

[BG6] 입자물리학회 특별세션 및 분과총회

2011년 4월 14일 목요일 17:00 – 19:00

장소: 107

입자물리에서 직장 찾는 법 / 남순건(경희대)

입자물리분과총회

[BG7] 입자물리학회 General Session : 끈이론

2011년 4월 15일 금요일 09:00 – 11:00

장소: 107

좌장: 신 상 진 한양대

BG-35 [09:00-09:15]

Interaction Among Vortices In Holographic Superconductors / 김 경규(초기우주과학기술연구소), 김영만, 김기석, 고유미(APCTP)

BG-36 [09:15-09:30]

Tree-level Recursion Relation and Dual Superconformal Symmetry of the ABJM Theory / GANG Dongmin(Department of Physics and Astronomy, Seoul National University), HUANG Yu-tin(Department of Physics and Astronomy, UCLA), KOH Eunkyung(School of Physics, Korea Institute for Advanced Study), LEE Sangmin(Department of Physics, University of Seoul), LIPSTEIN Arthur E.(California Institute of Technology)

BG-37 [09:30-09:45]

Some chiral properties of the massive Dirac propagator and determinant / 민현수(서울시립대), 이준규(서울대), 허진(고등과학원, 계산과학과)

BG-38 [09:45-10:00]

Calculating The Partition Function Of $N = 2$ Gauge Theories On S^3 And AdS/CFT Correspondence / 김효중, 김낙우(경희대), 천상모(서울대)

BG-39 [10:00-10:15]

Refined Test of AdS4/CFT3 Correspondence For $N=2,3$ Theories / CHEON Sangmo(SNU), GANG Dongmin(KIAS), KIM Seok(SNU), PARK Jaemo(Postech)

BG-40 [10:15-10:30]

String solutions in Conifold and their fluctuations / LEE Jung Hun, KIM Nakwoo, KIM Hyojoong(Kyung Hee University)

BG-41* [10:30-10:45]

The Dropping of In-Medium Hadron Mass in Holographic QCD /

조광현(한양대), RHO Mannque(Institut de Physique Théorique, CEA Saclay), 서윤석(서강대), 신상진(한양대)

BG-42 [10:45-11:00]

Phase transition in holographic / SEO Yunseok(Center for Quantum Spacetime, Sogang University), SIN Sang-Jin(Hanyang University), LEE Bum-Hoon(Center for Quantum Spacetime, Sogang University), GWAK Bogeun, KIM Minkyoo(Sogang University)

[BG8] 입자물리학분과회 General Session : 중력 및 장론

2011년 4월 15일 금요일 11:15 - 13:45

장소: 107

좌장: 현 승 준 연세대

BG-43 [11:15-11:30]

Quasi Normal Modes for New Type Black Holes in New Massive Gravity / PARK Jong-Dae, KWON Yongjoon, NAM Soonkeon(경희대), YI Sang-Heon(서강대)

BG-44 [11:30-11:45]

An Efficient Representation of Euclidean Gravity / YANG Hyun Seok(Institute for the Early Universe), LEE Jungjai(Daejin University), OH John J.(National Institute for Mathematical Sciences)

BG-45 [11:45-12:00]

Quantum field theory and entropic gravity from information theory / LEE Jae-weon(Jungwon University)

BG-46 [12:00-12:15]

Mass and Angular Momentum of Black Holes in New Massive Gravity / 이상현(서강대), 남순건, 박종대(경희대)

BG-47 [12:15-12:30]

Non-Gaussianity and gravitational wave background in curvaton with a double well potential / 최기영(부산대), SETO Osamu(Hokkai-Gakuen University)

BG-48 [12:30-12:45]

Entropy spectra of black holes from resonance modes in scattering by the black holes / 권용준, 남순건(경희대)

BG-49 [12:45-13:00]

Classification of Hypercylindrical Spacetimes with Momentum Flow / 김형찬(충주대), 이정재, 이영원(대진대), 강궁원(KISTI)

BG-50 [13:00-13:15]

3-진 변형 대칭성을 만족하는 스칼라 장 표현 / 이영원(대진대), 이범훈(서강대)

BG-51 [13:15-13:30]

Double field formulation of Yang-Mills theory / 박정혁, 이강훈, 전임탁(서강대)

BG-52* [13:30-13:45]

Correlation function of dyonic string / BAI Xiaojian(Sogang University, Department of Physics), LEE Bum-Hoon(Sogang University, Department of Physics and CQeST), PARK Chanyong(Sogang University, CQeST)

[CG1] 원자핵물리학과회 General Session

2011년 4월 13일 수요일 13:00 - 14:45

장소: 206

좌장: 홍 병 식 고려대

CG-01 [13:00-13:15]

Comments on the Lifetime Measurement of the ^{29}Si 4943 keV Level / KO Yongkyu, KIM Kyoungsik(Institute of Basic Sciences, Korea Aerospace University)

C

CG-02 [13:15-13:30]

Weak transitions in the island of inversion / 하은자, 천명기, 김경식 (물리학과, 숭실대)

CG-03*[13:30-13:45]

Measurement of Absolute Cross Sections of $^{14}\text{N} + \alpha$ Reactions with Thick Target Inverse Kinematics Method / KIM Y. H.(Seoul National University, Department of Physics and Astronomy), LEE N. H.(Ewha Womans University, Department of Physics Education), KUBONO S., YAMAGUCHI H., HASHIMOTO T., KAWABATA T., WAKABAYASHI Y., HAYAKAWA S., KURIHARA Y., DAM NUGYEN Binh, KAHL D. M.(University of Tokyo, Center for Nuclear Study), KWON Y. K.(Chung Ang University, Department of Physics Education), TERNANISHI T.(Kyushu University, Department of Physics), KATO S.(Yamagata University, Department of Physics), KOMATSUBARA T.(Tsukuba University, Department of Physics), YOO J. S.(Ewha Womans University, Department of Physics Education), KIM A.(Seoul National University, Department of Physics and Astronomy), HAHN K. I.(Ewha Womans University, Department of Physics Education), CHOI S.(Seoul National University, Department of Physics and Astronomy), HAN M. H.(Ewha Womans University, Department of Physics Education), GUO B., WANG B. X.(China Institute of Atomic Energy)

CG-04 [13:45-14:00]

Improving Time Resolution for $\text{H}(^{26}\text{Si}, p)$ Experiment at RIKEN / KIM M.J(Seoul National University, Dep. of Physics and Astronomy), MOON J.Y, JUNG H.S, KWON Y.K(Chung-Ang University, Dep. of Physics), KIM Y.H(Seoul National University, Dep. of Physics and Astronomy), LEE J.H, YUN C.C, CHO H.Y(Chung-Ang University, Dep. of Physics), YAMAGUCHI H(University of Tokyo, CNS), CHOI S(Seoul National University, Dep. of Physics and Astronomy), LEE C.S(Chung-Ang University, Dep. of Physics), KUBONO S, KAHL D, HAYAKAWA S, HASHIMOTO T(University of Tokyo, CNS), PARK J.S, KIM Y.G(Hanyang University, Dep. of Nuclear Engineering), KIM E.J(Chonbuk National University, Dep. of Physics Education), PARK S.H(KAERI), BINH Dam.G (University of Tokyo, CNS), TERANISHI T(Kyushu University), IWASA N(Tohoku

University), KOMATSUBARA T(Tsukuba University), KATO S(Yamagata University), MOTOBASHI T, TOGANO Y(RIKEN)

CG-05* [14:00-14:15]

Status of the Design of Large-Acceptance Multipurpose Spectrometer (LAMPS) at KoRIA / 장진희, 주은아, 심현하, 이경세, 홍병식(고려대)

CG-06 [14:15-14:30]

Simulation study on the target system for an in-flight fragmentation facility / SONG Jeongseog, KIM Dogyun, CHOI Seonho(Department of Physic and Astronomy, Seoul National University), WAN Weishi(Accelerator Division, Lawrence Berkeley Laboratory), KIM Jongwon(National Cancer Center)

CG-07* [14:30-14:45]

New Design of the Neutron Detector for LAMPS at KoRIA / 주은아, 장진희, 심현하, 이경세, 홍병식(고려대)

[CG2] 원자핵물리학과회 General Session

2011년 4월 13일 수요일 15:15 - 17:15

장소: 206

좌장: 이영욱 원자력연

CG-08 [15:15-15:30]

스틸벤 검출기를 이용한 핵융합 고속중성자 측정 시스템 개발 / 강병휘, 김용균, 이승규(한양대)

CG-09 [15:30-15:45]

The Status Report of the Compact Linear Accelerator at KBSI /

원미숙, 이병섭, 윤장희, 최세용, 옥정우, 박진용, 김병철, 김동준(Korea Basic Science Institute)

CG-10 [15:45-16:00]

Measurement of Isomeric Yield Ratio for $^{nat}\text{Nd}(\gamma, xn)^{141m,g}\text{Nd}$ Reaction with 50-, 60-, and 70-MeV Bremsstrahlung / YANG Sung-Chul(Department of Physics, Kyungpook National University. Nuclear Data Evaluation Lab., Korea Atomic Energy Research Institute), KIM Kwang Soo, KIM Kyung-Sook, MANWOO LEE Manwoo, KIM Guinyun(Department of Physics, Kyungpook National), LEE Young-Ouk(Nuclear Data Evaluation Lab., Korea Atomic Energy Research Institute)

CG-11* [16:00-16:15]

18F의 $\gamma\text{-}\gamma$ 각상관을 이용한 반감기 측정에 관한 연구 / 강연수, 안정근(부산대)

CG-12* [16:15-16:30]

In-Beam Isomer Spectroscopy with LaBr₃ Crystal /

HWANG Jongwon(Seoul National University, Department of Physics and Astronomy)

CG-13* [16:30-16:45]

High resolution alpha spectrometer using a magnetic calorimeter /

김민성(Korea Research Institute of Standards and Science, Kyungpook National University), 장용식, 윤원식, 이상준, 이준서, 이해진, 이경범, 이민규, 김용함(Korea Research Institute of Standards and Science), 이상훈(Kyungpook National University)

CG-14* [16:45-17:00]

전자기 칼로리미터를 이용한 포항 2.5 GeV 가스제동복사 빔 측정 및 광 생성 반응 실험 /

이재기, 황상훈, 백광운, 박진용, 김성준, 최봉혁(부산대), 이효상(서울대), 김창범(포항가속기연구소), 안정근(부산대)

CG-15 [17:00-17:15]

Simulation of transmutation of long-lived fission products /

BAK Sang-In(SungKyunKwan Univ., DOES), HONG Seung-Woo(SungKyunKwan Univ., DOES & Dept. of Physics), KADI Yacine, TENREIRO Claudio, MIN KyungJoo, KIM Do-Yoon, KIM Young-Sun(SungKyunKwan Univ., DOES)

[CF1] 입자 · 원자핵 · 천체물리학분과회 공동 Focused Session

2011년 4월 14일 목요일 09:00 – 11:00

장소: 206

좌장: 이 창 환 부산대

CF-01(초) [09:00-09:30]

Current Status of the KoRIA Project /

HONG Seung-Woo(Sungkyunkwan University)

CF-02(초) [09:30-10:00]

Physics Research with KoRIA / KIM YONG KYUN(Hanyang University)

CF-03(초) [10:00-10:30]

Nuclear astrophysics / KAJINO Toshitaka(National Astronomy Observatory of Japan)

CF-04(초) [10:30-11:00]

Particle Physics at KoRIA / 홍덕기(부산대), 최수용(고려대)

[CF2] 원자핵물리학회 Focused Session: 기묘도 물리

2011년 4월 14일 목요일 12:30 - 14:30

장소: 206

좌장: 홍 승 우 성균관대

CF-05(초) [12:30-13:00]

The new Decay Mode of Λ Hypernuclei; The 3-body weak decay process / BHANG Hyoung C.(Seoul National University, Department of Physics)

CF-06 [13:30-13:15]

Photoproduction Experiments with LEPS2 at SPring-8 /

안정근(부산대), FOR THE LEPS2 COLLABORATION at SPring-8(RCNP/RIKEN/SPring-8)

CF-07 [13:15-13:30]

Test of prototype fiber tracker for YN scattering experiment at J-PARC / 최봉혁, 안정근(부산대), MIWA Koji(Tohoku University)

CF-08 [13:30-13:45]

Search for double strangeness nuclei using emulsion-hybrid method at J-PARC / KIM Sung Hyun, AHN Jung Kuen(Pusan National University, Department of Physics), KIM Ji Hyun, YOON Chun Sil(Gyeongsang National University, Department of Physics), PARK Byung Do(Asan Medical Center), RYU Sun Young(Pusan National University/Osaka University, Department of Physics)

CF-09 [13:45-14:00]

Flow measurements of charged kaons in $^{58}\text{Ni}+^{58}\text{Ni}$ at 1.91A GeV with FOPI detector / 강태임, 홍병식, 심광숙(고려대)

CF-10* [14:00-14:15]

Measurement of Σ^- Polarization from (K-,K+) Reaction With a Scintillating Fiber Target /

김성준, 최봉혁, 안정근(부산대 물리학과), K. Miwa(Tohoku University, Japan), K. Imai(JPARC, Japan)

CF-11* [14:15-14:30]

$K^{*0} \Sigma^+$ Photoproduction from threshold to 3.0 GeV @ SPring-8 /

황상훈, 안정근(부산대), HICKS K(Department of Physics and Astronomy, Ohio University), NAKANO T(Research Center for Nuclear Physics, Osaka University), LEPS Collaboration(SPring-8)

[CG3] 원자핵물리학회분과회 General Session

2011년 4월 14일 목요일 14:45 - 16:30

장소: 206

좌장: 오 용 석 경북대

CG-16 [14:45-15:00]

Spin structure of the pion from the instanton vacuum / 남승일(기초학문연구소), 김현철(인하대)

CG-17 [15:00-15:15]

Spin polarization in $d\gamma \rightarrow \vec{n}p$ at low energies with a pionless effective field theory / ANDO Shung-Ichi(대구대), 송영호(University of South Carolina, Department of Physics and Astronomy), 현창호(대구대), KUBODERA Kuniharu(University of South Carolina, Department of Physics and Astronomy)

CG-18 [15:15-15:30]

Mass splittings of the baryon decuplet and antidecuplet with the second-order flavor symmetry breakings within a chiral soliton model / 양길석, 김현철(인하대)

CG-19 [15:30-15:45]

Chiral restoration at finite temperature under the magnetic field / 남승일(기초학문연구소), KAO Chung-Wen(대만중원대)

CG-20 [15:45-16:00]

Parity violating neutron spin asymmetry of $d\gamma \rightarrow \vec{n}p$ process in pionless effective theory /

SHIN JaeWon(Department of Physics, Sungkyunkwan University), ANDO Shung-Ichi, HYUN Chang Ho(Department of Physics Education, Daegu University), HONG Seung-Woo(Department of Physics, Sungkyunkwan University)

CG-21* [16:00-16:15]

Nuclear Symmetry energy with QCD Sum Rule / 정기상, 이수형(연세대)

CG-22* [16:15-16:30]

The two freeze-out model for the hadron production in the relativistic heavy-ion collisions / CHOI Suk, LEE Kang Seog(Physics Department, Chonnam National University)

[CF3] 원자핵물리학분과회 Focused Session

2011년 4월 15일 금요일 09:00 - 11:00

장소: 206

좌장: 이 강 석 전남대

CF-12(초) [09:00-09:30]

Holographic QCD for nuclear physics / SANG-JIN Sin(Hanyang University, Physics Department)

CF-13(초) [09:30-10:00]

Recent Results from CMS-Heavy Ion at LHC / 박인규(서울시립대)

CF-14(초) [10:00-10:30]

Few ideas on hadronic physics at RHIC/LHC / 이수형(연세대)

CF-15(초) [10:30-11:00]

Solenoidal Tracker at RHIC (STAR) Experiment / YOO, In-Kwon
(Pusan National University)

[DT1] 응집물질물리학분과회 Tutorial Session : 실험연구자를 위한 전산 물리

2011년 4월 13일 수요일 10:30 - 14:30

장소: 101

좌장: 민 병 일 포항공대

DT-01 [10:30-11:20]**Overview of first-principles electronic structure calculations in condensed matter physics /** CHANG Kee Joo(Department of Physics, KAIST)**DT-02** [11:20-11:50]**FLAPW for magnetic materials /** HONG Jisang(Department of Physics, Pukyung National University)**Plenary Session** [11:45 - 12:45]

장소: 301

DT-03 [13:00-13:30]**First-principles study of the oxide materials /** NAHM Ho-Hyun, KIM Maeng-suk, KANG Il-Joon(Research Center for Dielectric and Advanced Matter Physics, Pusan National University), KIM Y. S.(KRISS), PARK Chul Hong (Research Center for Dielectric and Advanced Matter Physics, Pusan National University)**DT-04** [13:30-14:00]**실리콘 표면에서 분자의 흡착 및 분자선의 자기조립 /** 조준형(한양대)**DT-05** [14:00-14:30]**Nanocatalysis and Ultrathin Oxide Films: First Principles Calculations /** YU Byung Deok(Department of Physics, University of Seoul)**[DF1] 응집물질물리학분과회 Focused Session: Frontiers in Mesoscopic Systems**

2011년 4월 13일 수요일 15:15 - 17:14

장소: 101

좌장: 김 주 진 전북대

DF-01 [15:15-15:32]**Hybrid Josephson Junctions of Various Nanostructures /**

DOH Yong-Joo(Department of Display and Semiconductor Physics, Korea University Sejong Campus)

DF-02 [15:32-15:49]**Superconductivity on Kondo ridges in a Al-CNT-Al junction /**

KIM Bum-Kyu(Center for Nanoscience & Quantum Metrology, Korea Research

Institute of Standards and Science / Department of Physics, Chonbuk National University), **AHN Ye-Hwan**(Center for Nanoscience & Quantum Metrology, Korea Research Institute of Standards and Science / Department of Physics, Korea University), **NO Hyun-Ho**, **KIM Nam**(Center for Nanoscience & Quantum Metrology, Korea Research Institute of Standards and Science), **DOH Yong-Joo**(Department of Physics, Korea University Sejong Campus), **CHOI Mahn-Soo**(Department of Physics, Korea University), **KIM Ju-Jin**(Department of Physics, Chonbuk National University), **LEE Gil-Ho**(Department of Physics, Pohang University of Science and Technology)

DF-03 [15:49-16:06]

Nanomechanically-enabled degree of freedom in mesoscopic structures: direct mechanical control of magnetic properties in a diluted magnetic semiconductor (Ga,Mn)As / **YANG Chanuk**, **CHO Myung Lae**, **PARK Yun Daniel**(Department of Physics & Astronomy, Seoul National University)

DF-04 [16:06-16:23]

Geometrical spin relaxation in graphene / **JEONG Jae-Seung**, **LEE Hyun-Woo**(PCTP and Department of Physics, Pohang University of Science and Technology)

DF-05 [16:23-16:40]

A minimal model for quantum Hall interferometries with localized states / **SIM H.-S.**(KAIST)

DF-06 [16:40-16:57]

다중 양자점의 물리 / **정윤철**(부산대)

DF-07 [16:57-17:14]

Fabrication and characterization of nano-scale device with STO/LAO heterostructure / **장정원**(고려대), **성상근**(충남대), **심승보**(한국표준과학연구원), **송종현**(충남대), **이순걸**(고려대), **김진희**(한국표준과학연구원)

[DG1] 응집물질물리학분과회 General Session : 자성체

2011년 4월 13일 수요일 15:15 - 17:15

장소: 102

좌장: **김 태 희** 이화여대

DG-01(초) [15:15-15:45]

Half-metallic Antiferromagnetism in the Corundum-related NiCrO_3 / **LEE Kwan-Woo**(Department of Display and Semiconductor Physics, Korea Univ.)

DG-02 [15:45-16:00]

Theoretical Calculation of Maximum Energy Product for Mn(Al,

Bi) Nanomagnets / PARK Jihoon, HONG Yang-Ki(Department of Electrical and Computer Engineering and MINT Center, The University of Alabama, USA), CHOI Chul-Jin, LEE Jung Goo(Korea Institute of Materials Science), KIM Chul Sung(Department of Physics, Kookmin University)

DG-03* [16:00-16:15]

The Magnetic Properties of Ultrathin MgN and MgC Films on MgO (001) Surface / KIM Dongyoo, YANG Jeonghwa, HONG Jisang(Department of Physics, Pukyong National University)

DG-04 [16:15-16:30]

Potential room temperature ferromagnetic O/BN and F/BN bilayers / YANG Jeonghwa(양정화), KIM Dongyoo(김동유), HONG Jisang(홍자상)(부경대)

DG-05 [16:30-16:45]

Strain enhanced ferromagnetism in Mn_3Ge_2 thin films / DANG Dang Duc, 조성래, THIET Duong Van, 신유리미, 전승목, 왕현호(Dept. of Physics, University of Ulsan)

DG-06 [16:45-17:00]

Magnetoelectric effect in environment friendly multilayer composites / PATIL Deepak, LIM Soonho, CHAI Y. S.(CeNSCMR, Department of Physics and Astronomy, Seoul National University), KIM June-Hee, NAM Joong Hee(Advanced Materials Laboratory, KICET), KIM Kee Hoon(CeNSCMR, Department of Physics and Astronomy, Seoul National University)

DG-07 [17:00-17:15]

Superexchange interaction in the strong spin-orbit interaction limit: the magnetic interaction in iridate compounds / KIM Beom Hyun, MIN B. I.(POSTECH)

[DF2] 응집물질물리학과회 Focused Session : 중성자 회절 장치와 기초연구

2011년 4월 14일 목요일 09:00 - 10:50

장소: 101

좌장: 박 제 근 서울대

DF-08 [09:00-09:20]

Recent status of HANARO neutron scattering facility / LEE Chang-Hee, LEE Seongsu(Neutron Science Division, KAERI)

DF-09 [09:20-09:50]

Neutron Powder Diffraction at J-PARC / KAMIYAMA Takashi, TORII

Shuki, YONEMURA Masano, ZHANG Junrong, TOMIYASU Ryoko(High Energy Accelerator Research Organization, Japan)

DF-10 [09:50-10:20]

Neutron powder diffraction study using HRPD at JRR-3 and WAND at HFIR -Recent results on H-bond- / FUKAZAWA Hiroshi
(Japan Atomic Energy Agency, Japan)

DF-11 [10:20-10:50]

Promotion activities of industrial applications of neutron scattering in Japan / MORII Yukio(Hitachnaka Techno Center, Japan)

[DG2] 응집물질물리학분과회 General Session : 나노물리 I

2011년 4월 14일 목요일 09:00 - 11:00

장소: 102

좌장: 김 용 수 울산대

DG-08* [09:00-09:15]

Effects of Strain Induced by a Curved Shape of a Single Crystalline VO₂ Nanowire on Metal Insulator Transition / 양형우, 양재훈, 강대준(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

DG-09* [09:15-09:30]

Constructing Nanoscale Functional Metal Oxides by Using Novel Electrohydrodynamic Lithography / 이수옥(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University), 김하나(한국기계연구원 나노융합기계연구본부 나노패터닝시스템, Department of Nanomechatronics, University of Science and Technology), 이재종(한국기계연구원 나노융합기계연구본부 나노패터닝시스템), 강대준(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

DG-10* [09:30-09:45]

Visualizing the Nature of the in-situ Metal-Insulator Transition in Single Crystalline VO₂ nanowires / 성원경(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University), 안재평(Nano-Material Research Center, Korea Institute of Science and Technology), 이여진, 강대준(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

DG-11* [09:45-10:00]

Orientation-Dependent Structural Properties of Zn_{1-x} Mg_xO Nanorods Studied by X-ray Absorption Fine Structure / E.-S. Jeong(Institute of Fusion Sciences, Institute of Science Education and Division of Science Education, Chonbuk National University), JINKYOUNG Yoo(National

CRI Center for Semiconductor Nanorods, Department of Materials Science and Engineering, POTECH), GYU-CHUL Yi(National CRI Center for Semiconductor Nanorods and Department of Physics, Seoul National University), S.-W. Han(Institute of Fusion Sciences, Institute of Science Education and Division of Science Education, Chonbuk National University)

DG-12* [10:00-10:15]

Ferromagnetism in bulk and nanowire systems of $\text{Fe}_{1.3}\text{Ge}$ / LEE Alex Taekyung(Department of Physics, KAIST), YOON Hana, KIM Bongsoo(Department of Chemistry, KAIST), CHANG Kee Joo(Department of Physics, KAIST)

DG-13 [10:15-10:30]

First-Principles Study of Enhanced Dihydrogen-Metal Interaction in Transition Metal Exposed Paddle-Wheel Frameworks / KIM Yong-Hyun, LE Viet-Duc(KAIST, Graduate School of Nanoscience and Technology), BAK Ji-Hyun(KAIST, Dept. of Physics), KANG Joongoo, WEI Su-Huai(NREL, USA)

DG-14* [10:30-10:45]

Toward high-performance Iron-Aluminium alloys / 김미영(서울대), 권영균(경희대), 강승진, 한흥남(서울대)

DG-15* [10:45-11:00]

Electronic structure of donor-pair defects in $\text{Si}_{1-x}\text{Ge}_x$ alloy nanowires / PARK Ji-Sang(Department of Physics, KAIST), RYU Byungki (Samsung Advanced Institute of Technology), CHANG Kee Joo(Department of Physics, KAIST)

[DF3] 응집물질물리학회 Focused Session : 중성자 회절을 이용한 이차전지 연구

2011년 4월 14일 목요일 12:30 - 14:10

장소: 101

좌장: Yukio Morii Hitachinaka Techno Center

DF-12 [12:30-12:50]

Crystal Structures and Electrode Performance of Lithium Insertion Materials: A Combined Study by Neutron and X-Ray Diffraction Methods / YABUUCHI Naoaki, KOMABA Shinichi(Department of Applied Chemistry, Tokyo Univ. of Science, Japan)

DF-13 [12:50-13:10]

LiFePO_4 Nanocrystals and Control of Point Defects for High-Power Li Batteries / CHUNG Sung-Yoon(Dept. of Materials Sci. & Eng., Inha University)

DF-14 [13:10-13:30]

Experimental Visualization of Lithium Diffusion in Li_xFePO_4 /
YAMADA Atsuo(Department of Chemical System Engineering, The University of
Tokyo, Japan)

DF-15 [13:30-13:50]

**Combined First-Principles and Experimental Study on the
Polyanion Compound Cathode for Lithium Rechargeable
Batteries /** KANG Kisuk(Department of Materials Science and Engineering,
Seoul National Univeristy)

DF-16 [13:50-14:10]

**MAGNETIC ORDERING OF LiMn_2O_4 IN STRUCTURE ORDERED AND
DESORDERED STATES /**
PIROGOV A.N., CHUKALIKIN Yu. G., TEPLYKH A. E., KELLERMAN D.
G.(Institute of Metal Physics of UD of RAS, Russia / Institute of Chemistry of
Solid State of UD of RAS, Russia)

[DG3] 응집물질물리학분과회 General Session : 나노물리 II

2011년 4월 14일 목요일 12:30 - 14:30

장소: 102

좌장: 홍 지 상 부경대

DG-16* [12:30-12:45]

**Electron pair resonance in an Aharonov-Bohm double-dot
interferometry /** 박진홍(KAIST, 물리학과)

DG-17* [12:45-13:00]

**Computational studies of the thermal properties of rigid carbon
nano foam /** PARK Sora(Department of Physics and Research Institute for
Basic Sciences, Kyung Hee University), TOMÁNEK David(Department of Physics
and Astronomy, Michigan State University, USA), KWON Young-Kyun
(Department of Physics and Research Institute for Basic Sciences, Kyung Hee
University)

DG-18 [13:00-13:15]

**Many-body Correlation Effect on Mesoscopic Charge Relaxation
/** LEE Minchul(Kyung Hee Univesity, Department of Applied Physics), LOPEZ
Rosa(Universitat de les Illes Balears, Departament de Fisica), CHOI Mahn-
Soo(Korea University, Department of Physics), JONCKHEERE Thibaut, MARTIN
Thierry(Universite de la Mediterranee)

DG-19* [13:15-13:30]

The electronic properties of Metal-Organic Hybrid Chains / 정경
훈, 김호원, 윤종건, 강세중(고려대)

DG-20 [13:30-13:45]

Interchain Interactions Mediated by Br Adsorbates in Arrays of Metal-Organic Hybrid Chains on Ag(111): / 박지훈, 정경훈, 윤종건, 김호원, 강세종(고려대)

DG-21* [13:45-14:00]

Temporal Evolution of Rippled Au(001) by Ion Beam Sputtering Normal to the Surface / KIM Ji-Hyun(Sookmyung Women's University), CUERNO Rodolfo(Universidad Carlos III de Madrid), KIM J.-S.(Sookmyung Women's University)

DG-22 [14:00-14:15]

Efficient quantum detection of charge by using two quantum point contacts / KANG Kicheon, LEE Kang-Ho(Chonnam National University, Dept. of Physics)

DG-23* [14:15-14:30]

Actuation Of Nanomechanical Resonator With Dielectric Gradient Force / CHO Sungwan, CHO Myung Rae(Seoul National University), SHIM Seung Bo(Korea Research Institute of Standards and Science), PARK Yun Daniel(Seoul National University)

[DF4] 응집물질물리학회 Focused Session : Dirac Materials — Topological Insulator

2011년 4월 14일 목요일 14:45 - 16:40

장소: 101

좌장: 최 형 준 연세대

DF-17 [14:45-15:25]

Experimental realization of a new family of 3D topological insulator in the ternary chalcogenides / KIMURA Akio(Graduate School of Science, Hiroshima University, Japan)

DF-18 [15:25-15:55]

Topological insulating order in chalcogen compounds / JHI Seung-Hoon(Department of Physics and Division of Advanced Materials Science, Pohang University of Science and Technology)

DF-19 [15:55-16:10]

Anisotropic Dirac Cone On The Side Surface Of Bi_2Se_3 / MOON Chang-Youn, HAN Jinhee, LEE Hyungjun, CHOI Hyoung Joon(Department of Physics and IPAP, Yonsei University)

DF-20 [16:10-16:25]

Superconducting Proximity Effect in Topological Insulator

Nanowires of Bi₂Se₃ / NOH Hyunho(Korea Research Institute of Standards and Science), PARK Lee-Seul(Department of Chemistry, Sookmyung Women's University), JEON Eun-Kyoung, LEE Jeong-O(Korea Research Institute of Chemical Technology), LEE Jin Seok(Department of Chemistry, Sookmyung Women's University), KIM Jinhee(Korea Research Institute of Standards and Science), DOH Yong-Joo(Department of Display and Semiconductor Physics, Korea University Sejong Campus)

DF-21* [16:25-16:40]

Observation of band warping and angular momentum modulation through dichroism in topological insulator Bi₂Te₃ / 정원식, 김용관, 김범영(연세대), MATSUNAMI M., KIMURA S.(UVSOR), 한정훈(성균관대), 조병기(광주과학기술원), 김창영(연세대)

[DF5] 응집물질물리학분과회 Focused Session : 중이온가속기와 응집물리

2011년 4월 14일 목요일 14:45 - 16:45

장소: 102

좌장: 김 철 구 연세대

DF-22 [14:45-15:15]

희귀동위원소 가속용 중이온가속기 KoRIA / 홍승우(성균관대), 중이온가속기 개념설계 팀

DF-23 [15:15-15:45]

Scientific Research Opportunities with KoRIA / KIM Yong Kyun(Hanyang University)

DF-24 [15:45-16:15]

희귀동위원소 가속용 중이온가속기를 이용한 물성연구 / 서병진(가톨릭대)

DF-25 [16:15-16:45]

Biological application of heavy ion beams / KIM In Gyu(Department of Radiation Biology, Environmental Radiation Research Group, Korea Atomic Energy Research Institute)

[DG4] 응집물질물리학분과회 General Session : 나노물리 III

2011년 4월 14일 목요일 17:00 - 18:30

장소: 101

좌장: 정 명 화 서강대

DG-24* [17:00-17:15]

Ab initio study of atomic adsorption on topological insulator surfaces / 진경환, 지승훈(포항공대)

DG-25 [17:15-17:30]

Conduction in Disordered 3-D Topological Insulators / SACKSTEDER

Vincent(Institute of Physics, Chinese Academy of Sciences, Beijing)

DG-26* [17:30-17:45]

Topological Insulating Order Of Crystalline Ge-Sb-Te / KIM Jeongwoo, KIM Jinwoong, JHI Seung-Hoon(POSTECH)

DG-27* [17:45-18:00]

Local structure and electronic properties of Sb-Te alloy materials / PARK sohee, CHO Eunae Cho, JEON Sang Ho, KANG Young-ho(Department of Materials Science and Engineering, Seoul National University), CHEONG Byung-ki(Thin Film Materials Research Center, Korea Institute of Science and Technology), HAN Seungwu(Department of Materials Science and Engineering, Seoul National University)

DG-28(초) [18:00-18:30]

Recent development of high thermoelectric figure-of-merit materials on Indium Selenides / 이종수(경희대), 이규형, 안경한(삼성종합기술원, 소재기술센터), 심지훈(포항공대)

[DG5] 응집물질물리학분과회 General Session : 무른물질/바이오/유기물

2011년 4월 14일 목요일 17:00 - 18:15

장소: 102

좌장: 윤 완 수 한국표준과학연구원

DG-29 [17:00-17:15]

Surface free energy of a hard sphere / WEON Byung Mook, JE Jung Ho(POSTECH, Department of Materials Science and Engineering)

DG-30* [17:15-17:30]

Size Limits Jetting in Bubble Bursting / LEE Ji San, WEON Byung Mook, PARK Su Ji, JE Jung Ho(POSTECH), FEZZAA Kamel, LEE Wah-Keat (Advanced Photon Source / Argonne National Laboratory)

DG-31* [17:30-17:45]

Sharply tuned small force measurement with a biomimetic sensor / KIM Hyery, SONG Taegeun, AHN Kang-Hun(Department of Physics, Chungnam National University)

DG-32* [17:45-18:00]

강자성체/유기 반도체 이종구조의 하부전극에 따른 계면에서의 에너지 정렬에 대한 연구 / 이년중, 배유정(이화여대), ITO Eisuke(Flucto-Order Functions Research Team, RIKEN Advanced Science Institute), 이제형(주식회사 파트론), HIROHATA Atsufumi, FLEET Luke(Department of Electronics, The University of York, United Kingdom), 김태희(이화여대)

DG-33* [18:00-18:15]

Electrospinning of Rubrene Nanofibers and Characterization /

DHAKAL Krishna P., LEE Hyunsoo, KIM Jeongyong(Department of Physics, University of Incheon), LEE Jin Woo, JOO Jinsoo(Department of Physics, Korea University)

[DG6] 응집물질물리학과회 General Session : 강상관계 I

2011년 4월 15일 금요일 09:00 - 11:00

장소: 101

좌장: 김 재 훈 연세대

DG-34 [09:00-09:15]

Discrepancy of Structural and Electronic Transitions in the Vicinity of the Metal-Insulator-transition in V_2O_3 /

KIM Hyun-Tak(ETRI, MIT Creative Research Center & UST), SHIN Jun-Hwan(University of Science and Technology (UST)), KIM Bong-Jun, CHOI Jung-Young, CHOI Jung-Young(ETRI, MIT Creative Research Center), LIM Yong-Sick, LIM Yong-Sik, CHEN Xiang Bai(Kunkuk Univ.)

DG-35 [09:15-09:30]

Metal-insulator transition in STO/LAO heterostructure near critical thickness /

김진희(한국표준과학연구원), 성상근(충남대), 장정원(고려대), 이승란, 심승보, NGUYEN Thach, LKHAGVASUREN Baasandorj(한국표준과학연구원), 송종현(충남대)

DG-36 [09:30-09:45]

Change of optical properties on the thickness-dependent metal-insulator transition in $Sr_{0.75}La_{0.25}TiO_3$ films /

SEO Y. K., LEE Y. S.(Soongsil University, Department of Physics), JEONG D. W., KANG T. D., NOH T. W.(Seoul National University, ReCFI, Department of Physics and Astronomy), YOON J. H., CHOI Y. Y., LEE J. C.(Sungkyunkwan University, School of Advanced Materials Science and Engineering)

DG-37* [09:45-10:00]

Commensurate-Incommensurate Transition in 4He Monolayer Adsorbed on a C_{60} Molecule /

신현덕, 권용경(건국대)

DG-38* [10:00-10:15]

Spectroscopic Investigation on the Electronic Structure of $SrRuO_3$ Ultrathin Films /

JEONG Da Woon, CHANG Seo Hyung, KIM Choong Hyun, CHOI Woo Seok(Seoul National University), KIM Jae Young(Pohang Accelerator Laboratory), LEE Yun Sang(Soongsil University), NOH Tae Won(Seoul National University)

DG-39 [10:15-10:30]

Structure And Vibration Spectroscopy Of $Ni_{3-x}Co_xV_2O_8$ /

SEO Yu-

Seong, KIM Sun-Hwa(Pusan National University, Department of Physics),
JEONG Il-Kyoung(Pusan National University, Department of Physics Education),
AHN Jai Seok(Pusan National University, Department of Physics)

DG-40* [10:30-10:45]

Doping dependent photoemission study on electron doped cuprate $\text{Pr}_{1-x}\text{LaCe}_x\text{CuO}_4$ / 송동준, 최환영, 김철, 김용관, 정원식, 고윤영, 경원식(연세대), EISAKI Hiroshi, YOSHIDA Yoshiyuki(AIST), LU D.H., SHEN Z. X.(Stanford University, SSRL), 김창영(연세대)

DG-41* [10:45-11:00]

Enhanced Resistive Switching Characteristics of a Pt/NiO/Pt Structure With a Load Resistor /

HWANG Inrok(Division of Quantum Phases & Devices, Department of Physics, Konkuk University), LEE Myung-Jae(Samsung Advanced Institute of Technology), BAE Jieun, HONG Sahwan, KIM Jin-Soo, CHOI Jinsik, DENG Xiao Long(Division of Quantum Phases & Devices, Department of Physics, Konkuk University), AHN Seung-Eon(Samsung Advanced Institute of Technology), KANG Sung-Oong, PARK Bae Ho(Division of Quantum Phases & Devices, Department of Physics, Konkuk University)

[DG7] 응집물질물리학분과회 General Session : 표면/계면 I

2011년 4월 15일 금요일 09:00 - 11:00

장소: 102

좌장: 유 청 종 포항공속기연구소

DG-42* [09:00-09:15]

Growth and Magnetism of the ultrathin Fe films on BaTiO_3 / YANG Seolun, KIM Ji-Hyun, KIM J. -S.(Sookmyung Women's University), CHEN Xumin, ENDERS Axel(University of Nebraska Lincoln), SANTOS Tiffany, BODE Matthias(Argonne National Laboratory), SESSI Violetta(ESRF), HONOLKA Jan(Max Plank Institute, Stuttgart)

DG-43 [09:15-09:30]

Spontaneous Orientational Ordering of Islands During Thin Film Growth / 서지근(초당대), 김재성(숙명여대)

DG-45* [09:45-10:00]

Epitaxial Growth of Bi_2Se_3 on a Metal Substrate / 전정흠, 장원준, 윤종건, 신용로, 강세종(고려대)

DG-46* [10:00-10:15]

In-situ x-ray scattering study on the order-disorder transition of NiPt nano-crystal alloys / 노도영, 서옥균, 황재성, 이성표(광주과학기술원 신소재공학과), 송다현(광주과학기술원 나노바이오재료전자공학과), 강현철(조선

대), 성시진, 정진욱(포항공대)

DG-47* [10:15-10:30]

Electronic structure modification of graphene by organic molecular adsorption: first-principles study / SEO Jaewon, KIM Ji-Hoon, PARK Yongsup, KWON Young-Kyun(Department of Physics and Institute for Basic Sciences, Kyung Hee University)

DG-48 [10:30-10:45]

Direct Measurement of Grain Boundary Resistance in Copper Nanowires / KIM Tae-Hwan(Department of Physics, POSTECH), NICHOLSON D. M., ZHANG X.-G., EVANS B. M., KULKARNI N. S., KENIK E. A., MEYER H. M., RADHAKRISHNAN B., LI A. P.(Oak Ridge National Lab)

DG-49 [10:45-11:00]

Crystal Growth of LiH_2PO_4 and Morphology / LEE Kwang-Sei(Inje University, Department of Nano Systems Engineering), OH In-Hwan(Korea Atomic Energy Research Institute, Neutron Science Division), AHN Sang-Ho(Inje University, Department of Electronic Engineering), LEE Cheol Eui(Korea University, Department of Physics and Institute for Nano Science)

[DF6] 응집물질물리학분과회 Focused Session: Dirac Materials — Graphene

2011년 4월 15일 금요일 09:00 – 11:00

장소: 103

좌장: 박 노 정 울산과기대

DF-26(초) [09:00-09:30]

Probing Nanoscale Conductance of Epitaxial Graphene under Mechanical Deformation / PARK Jeong Young(Graduate School of EEWS (WCU) and NanoCentury KI, KAIST (Korea Advanced Institute of Science and Technology))

DF-27(초) [09:30-10:00]

The perspective of Graphene for the nano-electronic device application / 서순애(세종대)

DF-28* [10:00-10:15]

Bipolar Supercurrent in Bilayer Graphene Josephson Junction with Electric-field-induced Bandgap Modulation / JEONG Dongchan, LEE Gil-Ho(Department of Physics, Pohang University of Science and Technology), DOH Yong-Joo(Department of Display and Semiconductor Physics, Korea University Sejong Campus), LEE Hu-Jong(Department of Physics, Pohang University of Science and Technology)

DF-29* [10:15-10:30]

Electronic Structures of Graphene on Ru(0001) : Scanning Tunneling Spectroscopy Study / 강세종, 장원준, 전정흠, 윤종건(고려대)

DF-30* [10:30-10:45]

Electrically Tuneable Quantum States in Graphene-based Josephson Junctions / LEE Gil-Ho, JEONG Dongchan, CHOI Jae-Hyun(Department of Physics, Pohang University of Science and Technology), DOH Yong-Joo(Department of Display and Semiconductor Physics, Korea University Sejong Campus), LEE Hu-Jong(Department of Physics, Pohang University of Science and Technology)

DF-31* [10:45-11:00]

Formation of unconventional standing waves at graphene edges with valley mixing and pseudospin rotation / 박창원(서울대 물리학과), 양희준(삼성종합기술원), 임지순(서울대), 김건(세종대)

[DG8] 응집물질물리학과회 General Session : 강상관계 II

2011년 4월 15일 금요일 11:15 - 13:15

장소: 101

좌장: 송 증 현 충남대

DG-50* [11:15-11:30]

Aligning the Mixed Phase of Bismuth Ferrite Thin Films / 주강현, 이진홍, 우창수(KAIST, Department of Physics), 양찬호(KAIST, Department of Physics, KAIST Institute for the NanoCentury)

DG-51 [11:30-11:45]

Structural, magnetic and magnetoelectric properties of $\text{Al}_{2-x}\text{Fe}_x\text{O}_3$ polycrystals grown by solid-state reaction method / 노기정, 이용우, 장태환, 정윤희, 박병규, 김재영, 박재훈(포항공대)

DG-52 [11:45-12:00]

Investigation of the spin reorientation and orbital state of $\text{La}_{1.4}\text{Sr}_{1.6}\text{Mn}_2\text{O}_7$ ($x=0.3$) / PARK Jae-Hoon, KO Kyung-Tae, JANG Hoyoung (c_CCMR & Dept. Physics, POSTECH), PARK Byeong-Gyu, KIM Jae-Young(PAL), KIM Sung Baek(ACEC, Konyang University), CHEONG Sang-Wook(I-FEM, POSTECH)

DG-53 [12:00-12:15]

X-ray absorption spectroscopy methods by using x-ray scattering technique / 장호영, 이준식, 노우석, 고경태(포항공대), 박병규, 김재영(포항공속기연구소), 이기봉, 박재훈(포항공대), 천세환, 김기훈(서울대)

DG-54* [12:15-12:30]

Large Magnetoelectric Coupling at Room Temperature Realized

in Multiferroic Helimagnets / CHUN Sae Hwan, CHAI Yi Sheng, OH Yoon Seok, KIM Ingyu, JEON Byung-Gu, KIM Hanbit, JEON Byeong Jo, HAAM So Young, KIM Kee Hoon(CeNSCMR, Dept. of Physics & Astronomy, Seoul National University), CHUNG Jae-Ho(Department of Physics, Korea University), PARK Jae-Hoon(Dept. of Physics & Div. of Advanced Materials Science, POSTECH)

DG-55 [12:30-12:45]

Evidences for Semimetallic Nature and Magnetic Polarons in EuB₆ by Angle-Resolved Photoemission Spectroscopy / KIM Hyeong-Do(Beamline Division, Pohang Accelerator Laboratory), MIN Chul-Hee, KWON Hyuk-Woo, OH Se-Jung(Department of Physics and Astronomy, Seoul National University), KIM Ju Young, KANG Boyoun, YI Sungsu, CHO Beong Ki (School of Material Science and Engineering, Gwangju Institute of Science and Technology), CHO En-Jin(Department of Physics, Chonnam National University)

DG-56* [12:45-13:00]

Ferromagnetically Coupled Magnetic Impurities in a Quantum Point Contact / SONG Taegeun, AHN Kang-Hun(충남대)

DG-57 [13:00-13:15]

Thermally activated energy and fluctuation magnetoconductance in LiFeAs single crystal / SONG Yoo Jang(성균관대), KANG Byeongwon(충북대), RHYEE Jong-Soo(경희대), KWON Yong Seung(성균관대)

[DG9] 응집물질물리학분과회 General Session : 나노물리 IV

2011년 4월 15일 금요일 11:15 - 13:00

장소: 102

좌장: 황 찬 용 한국표준과학연구원

DG-58* [11:15-11:30]

Effects of Minimal Perturbation on the Low Energy Band Structure in Graphene: a Tight-binding Approach / PARK Joon-Suh, CHOI Hyoung Joon(Department of Physics and IPAP, Yonsei University)

DG-59* [11:30-11:45]

Electronic transport in graphene pnp junctions with embedded local gates / NAM Seung-Geol, KI Dong-Keun, KIM Youngwook (Department of Physics, Pohang University of Science and Technology), PARK Jong Wan(Technology Development Team, National NanoFab Center), JEONG Dongchan, LEE Gil-Ho, JO Sanghyun, KIM Jung Sung, LEE Hu-Jong (Department of Physics, Pohang University of Science and Technology)

DG-60* [11:45-12:00]

Precise Control of Light-Harvesting with Excellent Optical and Photocatalytic Properties of Gold Nanoparticles Embedded in

few Layers of Graphene Film / SHAKIR Imran, SHAHID Muhammad, ALI Zahid, 강대준(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

DG-61* [12:00-12:15]

Klein Tunneling in Bilayer Graphene with Band Gap / 박성훈, 심흥선(KAIST, 물리학과)

DG-62 [12:15-12:30]

유리 기판위에 그래핀의 직접 성장과 열처리를 통한 결정 성질 및 그 크기 조절 / 최재우, 이창묵(경희대 정보디스플레이학과)

DG-63 [12:30-12:45]

Formation process of topological defects in graphene : Tight-binding molecular dynamics simulation study / LEE Gun-Do, YOON Euijoon, HWANG Nongmoon(Department of Materials Science and Engineering, Seoul National University), KIM Youngkuk, IHM Jisoon(Department of Physics, Seoul National University), WANG Cai-Zhuang, HO Kai-Ming(Department of Physics, Iowa State University)

DG-64 [12:45-13:00]

Graphene induced spin switching in Co/graphene/Ni / 홍지상, 양정화, 김동유(부경대)

[DG10] 응집물질물리학회 General Session : 표면/계면 II 및 기타

2011년 4월 15일 금요일 11:15 - 13:15

장소: 103

좌장: 박 용 섭 경희대

DG-65* [11:15-11:30]

Electron correlation effect in the adsorption of benzene on Si(100) within van der Waals density functional scheme and random phase approximation / KIM Hyun-Jung(Department of Physics, Hanyang University), TKATCHENKO Alexander, SCHEFFLER Matthias(Fritz-Haber-Institut, Germany), CHO Jun-Hyung(Department of Physics, Hanyang University)

DG-66* [11:30-11:45]

A first-principle investigation into the spin-orbit splittings of the L-gap surface states on Au(111) thin film structure / 이주호, 이예리, 박창원, 최근수, 김영국, 김민성, 차문현, 배재현, 황정운, 김동욱, 임지순(서울대)

DG-67 [11:45-12:00]

van der Waals Interlayer Interaction Induced Band-gap

Transition of MoS₂ / 한상욱(울산대), 권혁상, 김성근(서울대), 류순민(경희대), 윤원석(울산대), 김대현, 황지훈, 강정수(가톨릭대), 백재현, 신현준(포항가속기연구소), 홍순철(울산대)

DG-68* [12:00-12:15]

In/Si(111)-4 × 1 표면에서 Na 원자가 상전이에 미치는 영향 / 심형준, 이우상, 이근섭(인하대)

DG-69* [12:15-12:30]

Study of structure and dynamics near the phase transition in blends of a homopolymer and a block copolymer / SONG Sanghoon, CHA Wonsuk, PARK Hyun-jun, KIM Hyunjung(Sogang University, Department of Physics and Interdisciplinary Program of Integrated Biotechnology), JIANG Zhang, NARAYANAN Suresh(Argonne National Laboratory, X-ray Science Division)

DG-70* [12:30-12:45]

Ga and N monovacancies on h-GaN(10-10) surface: Atomic structures and scanning tunneling microscopy images / HYUN Jung-Min, KIM Hanchul(Department of Physics, Sookmyung Women's University)

DG-71 [12:45-13:00]

Current and Field Distributions in a Superconductor Thin Strip Depending on Paths of Transport Current and Magnetic Field Applications / YOO Jaeun, KO K-E, LEE Y-J, PARK Chan(Department of Materials Science and Engineering, Seoul National University), RHEE J, KWAK K, YOUM Dojun(Department of Physics, KAIST), PARK B. J, HAN Y. H(Energy Storage team, Green Growth Lab, KEPRI)

DG-72 [13:00-13:15]

고자기장 발생장치 연구동향 / 김동락(한국기초과학지원연구원 물성과학연구부)

[EF1] 응용물리학분과회 Focused Session: Nitride Research: Current Issues

2011년 4월 13일 수요일 13:00 - 15:00

장소: 105

좌장: 김 영 등 경희대

EF-01(초) [13:00-13:30]**LED 용 GaN/사파이어 구조의 휨 현상** / 윤의준(서울대 재료공학부 및 나노 융합학과)**EF-02(초)** [13:30-14:00]**AlGaN/GaN-based Normally-Off Power FET Technologies** / 이정희(경북대)**EF-03(초)** [14:00-14:30]**Current injection and spreading in high power GaN-based LEDs** / 성태연(고려대)**EF-04(초)** [14:30-15:00]**고휘도, 고출력 LED의 문제점과 연구동향** / 박성주(광주과학기술원 신소재공학부)**[EF2] 응용물리학분과회 Focused Session: Single Molecule Detection**

2011년 4월 13일 수요일 15:15 - 17:15

장소: 105

좌장: 이 은 철 강원대

EF-05(초) [15:15-15:39]**Multimeric SNARE complex formation counted at the single molecule level** / YOON Tae-Young(Department of Physics, KAIST)**EF-06(초)** [15:39-16:03]**Probing Transcriptional Dynamics in Living Cells by Single-Molecule Fluorescence Imaging** / 전효은, 이남기(물리학과/시스템생명공학부)**EF-07(초)** [16:03-16:27]**How important is thermal energy in biological systems!** / LEE Jong-Bong(Physics Department, POSTECH)**EF-08(초)** [16:27-16:51]**Single-molecule investigation of the B-Z transition under mechanical control** / LEE Mina, KIM Sook Ho, HONG Seok-Cheol

EF-09(초) [16:51 - 17:15]

Coordination of DNA bending, cleavage, and gate opening by human topoisomerase II α / HOHNG Sungchul(Department of Physics & Astronomy, Seoul National University)

[EG1] 응용물리학분과회 General Session : Devices and Application

2011년 4월 14일 목요일 09:00 - 10:45

장소: 104

좌장: 홍진기 고려대

EG-01 [09:00-09:15]

디스플레이를 위한 Fast Moving Ball Actuator 개발 및 볼의 거동 분석
/ 이종모(호서대), 박효주, 윤호원, 홍문표(고려대), 배병성(호서대)

EG-02* [09:15-09:30]

Effect of Thin Zinc Oxide Layer on Mesoporous Titania Beads for Dye Sensitized Solar Cell Application / ALI Zahid, LIU Jingling, SHAKIR Imran, 강대준(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

EG-03 [09:30-09:45]

태양전지용 다결정 실리콘 웨이퍼의 결정성과 광전변환효율 사이의 연관성 연구 / 이명복, 송규호((재)대구테크노파크나노융합실용화센터), 류한희, 이형민, 배소익(미리넷솔라(주))

EG-04 [09:45-10:00]

Ferroelectric Polarization Effects on PZT/PCMO Heterostructure-based Resistive Memory Devices / BOURIM El Mostafa, 김동욱(이화여대), 황현상(광주과학기술원, 신소재공학과), IGNATIEV Alex(Univ. of Houston, USA)

EG-05* [10:00-10:15]

The study of resistive switching transitions based on oxygen concentration in Nb₂O₅ films / BAE Jieun, HWANG I. R., KIM J. S., CHOI J. S., HONG S. H., BYUN I. S., KIM Y. S., OH G. T., YOON I. S., SON J. W., PARK B. H.(Konkuk University. Division of Quantum Phases and Devices)

EG-06 [10:15-10:30]

Analysis of Dark Area in the Electromagnetic Field from Radio Frequency Identification Device / 김진영(아이.에이치.에스, 연구소), 강준희(인천대)

EG-07* [10:30-10:45]

FRET Based Enhanced DNA Detection And Ultrafast Dynamics In

Conjugated Polymers/Dye Labeled DNA Complex / KIM Inhong(Department of Physics and Physics Education, Pusan National University), **KANG Mijeong, WOO Han Young**(Department of Nanomaterials Engineering, Pusan National University), **KYHM Kwangseuk**(Department of Physics Education and RCDAMP, Pusan National University)

[EG2] 응용물리학분과회 General Session : Nanomaterials and Nanodevices I

2011년 4월 14일 목요일 12:30 - 14:30

장소: 104

좌장: 권영균 경희대

EG-08* [12:30-12:45]

Nano-ejection and patterning through nano-liquid channel / AN Sangmin, LEE Kunyoung, JHE Wonho(Seoul National University, Department of Physics and Astronomy (CNL))

EG-09 [12:45-13:00]

Study of thermoelectricity of silicon based thermoelectric device / 현영훈, 장문규, 박영삼(ETRI), 최원철(KAIST), 정태형, 양일석, 권종기(ETRI)

EG-10* [13:00-13:15]

Ni/Pt Bimetallic Chemical Composition determination with Fresnel Coherent Diffractive Imaging /

KIM CHAN(Gwangju Institute of Science and Technology), **SANGSOO KIM**(Advanced Photon Source), **YOONHEE KIM, SUNAM KIM, MARATHE SHASHIDHARA**(Gwangju Institute of Science and Technology), **HYON CHOL KANG**(Chosun University), **DO YOUNG NOH**(Gwangju Institute of Science and Technology)

EG-11 [13:15-13:30]

산화아연 나노막대-그래핀 하이브리드 기반 에탄올 가스센서 / 이재석, 이정민, 정해용, 박원일(한양대)

EG-12* [13:30-13:45]

Flexible Dye-sensitized Solar Cell Based on Ti Mesh Electrodes /

하유진, 황윤희, 김형국(부산대), **QIU Jijun**(State Key Laboratory of High Performance Ceramics and Super fine Microstructures, Shanghai Institute of Ceramics, Chinese Academy of Sciences)

EG-13 [13:45-14:00]

Study on the Reduction of Amorphous Carbon Peaks on Graphene Films Synthesized on Nickel Substrates / 이상철(광주과기

원, 나노바이오재료전자공학과), **최민혁, 조건호, 박우진, 윤종원, 홍웅기**(광주과기원, 신소재공학과), **조천흠**(광주과기원, 나노바이오재료전자공학과), **이병훈, 이택희**(광주과기원, 신소재공학과)

EG-14 [14:00-14:15]

Single Crystalline Molybdenum Vanadate Nanowires for Electrochemical and Photocatalytic Devices / SHAHID Muhammad, SHAKIR Imran, 장아랑, 강대준(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

EG-15 [14:15-14:30]

Bistable Organic Memory Device with Gold Nanoparticles Embedded in a Conducting Poly(N-vinylcarbazole) Colloids / 손동익(한국과학기술연구원), 이연진(연세대), 박동희, 최원국(한국과학기술연구원)

[EG3] 응용물리학분과회 General Session : Nanomaterials and Nanodevices II

2011년 4월 14일 목요일 14:45 - 16:45

장소: 104

좌장: 강 대 준 성균관대

EG-16* [14:45-15:00]

First-Principles Study on Raman Spectra of Pristine and Hydrogen Adsorbed Graphene Flakes / KWON Young-Kyun, LEE Chang-Sun(경희대)

EG-17 [15:00-15:15]

AFM 탐침을 이용한 CNT 카트리지의 제작 및 이를 이용한 CNT 탐침의 제작생산성 향상 / 최진호(충남대), 박병천, 안상정(한국표준과학연구원 나노이미징기술센터), 류준(충남대)

EG-18* [15:15-15:30]

Fabrication and properties of point-type carbon nanotube field emitters using Ni electroplating / LEE Hansung, CHOI Jusung, LEE Chungyeol, GOAK Jeungchoon, LEE Naesung(Faculty of Nanotechnology and Advanced Materials Engineering, Sejong University)

EG-19* [15:30-15:45]

Frequency modulation of single layer graphene sheet / HAKSEONG KIM, JINKYUNG LEE, SANGWOOK LEE(Division of Quantum Phases and Devices, School of Physics, Konkuk University)

EG-20* [15:45-16:00]

Exploration of growth mechanism for layer controllable graphene on copper / 박종윤, 송우석, 김수연, 김유석, 김성환, 정대성, 정우성, 전철호(성균관대)

EG-21* [16:00-16:15]

Adsorption properties of caffeine and nicotine on single-walled carbon nanotubes: ab initio study / LEE Hyung June(Kyung Hee University, Department of Physics and Research Institute for Basic Sciences), KIM Gunn(Sejong University, Department of Physics and Graphene Research Institute), KWON Young-Kyun(Kyung Hee University, Department of Physics and Research Institute for Basic Sciences)

EG-22 [16:15-16:30]

Functionalization of Single-Walled Carbon Nanotubes with Ribonucleic Acids / PARK June, SEONG Maeng-Je(Department of Physics, Chung-Ang University), GO Hayoung, LEE Kangseok(Department of Life Science, Chung-Ang University)

EG-23* [16:30-16:45]

Ab initio Study of Undoped and Doped Carbon Nanotubes on Hexagonal Boron Nitride Substrates under Applied Electric Fields / KANG Seoung-Hun(Department of Physics and Research Institute for Basic Sciences, Kyung Hee University), KIM Gunn(Department of Physics and Graphene Research Institute, Sejong University), KWON Young-Kyun (Department of Physics and Research Institute for Basic Sciences, Kyung Hee University)

[EG4] 응용물리학분과회 General Session : 새물리 특별강연 및 박막

2011년 4월 14일 목요일 17:00 - 19:00

장소: 105

좌장: 홍 순 철 울산대

EG-24(초) [17:00-17:30]

열물성 연구의 중요성과 국내외 연구현황 / 김석원(울산대), 이상현(표준연)

EG-25* [17:30-17:45]

Transport and SPM characterizations of electrically stressed TiO₂ planar junctions / 김해리, 김동욱(이화여대), 박수현(Max-Planck-Institut, Halle, Germany)

EG-26 [17:45-18:00]

Cu₂ZnSnS₄ 박막제조와 이를 이용한 Cu₂ZnSnSe₄ 박막제조 / 이현태, 김준호(인천대)

EG-27 [18:00-18:15]

Monoclinic-like local atomic structure in amorphous ZrO₂ thin film / 조덕용, 정형석, 김정환, 황철성(서울대)

EG-28* [18:15-18:30]

광전류 영상법을 이용한 염료감응형 태양전지의 전하 확산거리 측정 /

박재구, 김상룡, 손병희, 이순일, 안영환(아주대)

EG-29 [18:30-18:45]

The interfacial electronic structures of CuPc:C₆₀ and SubPc:C₆₀ bulk heterojunction for organic photovoltaic cells / LEE Hyunbok, JEON Pyung Eun, LEE Jei Hyun, PARK Soo Hyung, SHIN Dong guen, JEONG Kwangho, YI Yeonjin(Institute of Physics and applied Physics, Yonsei University)

EG-30* [18:45-19:00]

Frequency Effect on the Bipolar Resistive Switching of Pt/Ta₂O₅/SrTi_{1-x}Nb_xO₃ (x = 0.005) Heterostructure / KURNIA Fran, HADIYAWARMAN H, JUNG ChangUk, LIU Chunli(한국외국어대 물리학과)

[EG5] 응용물리학과회 General Session : Advanced Materials

2011년 4월 14일 목요일 17:00 - 19:00

장소: 104

좌장: 홍 기 민 충남대

EG-31(초) [17:00-17:30]

CNT의 국소전기장을 이용한 무기 Electroluminescence 소자 / 유세기(한국외국어대), 김진영(성균관대)

EG-32 [17:30-17:45]

Characterization of Boron and Aluminum coated LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂ for Li Secondary Ion Batteries / 홍태은, 정의덕, 백성림, 변미량(한국기초 과학지원연구원, 부산센터), 양호순(부산대)

EG-33 [17:45-18:00]

Physical Properties of Sb-doped BaSnO₃ : A New Transparent Conducting Oxide / KIM Hyung Joon, KIM Jiyeon, YU Jaejun(서울대), CHOI Woo Seok(Oak Ridge National Laboratory), JEONG Da Woon, KIM Kee Hoon(서울대)

EG-34* [18:00-18:15]

A Fast and Low-power Microelectromechanical System-based Non-volatile Memory Device / PARK Seung Joo(Seoul National University, Interdisciplinary Program in Nano-Science and Technology), LEE Sang Wook(Konkuk University, Division of Quantum Phase and Devices, School of Physics), CAMPBELL Eleanor E. B.(Edinburgh University, School of Chemistry), BAEK Seung Jae, SHIM June Bum, PARK Min(Seoul National University, Department of Nano Science and Technology), PARK Yung Woo(Seoul National University, Department of Physics and Astronomy)

EG-35 [18:15-18:30]

Micromagnetic 시뮬레이션에 기초한 퍼멀로이 나노와이어의 자기저항

계산 / 홍종일, 김준용, 김상훈, 이상호(연세대)

EG-36* [18:30-18:45]

스핀 밸브 내 인공반강자성층의 열처리 자장 크기에 따른 자화 방향에 관한 연구 / 손장엽, 이수길, 이상호, 김상훈, 홍종일(연세대)

EG-37* [18:45-19:00]

다결정 SiNH 구조 태양전지의 변환효율 최적화 / 이대영, 이화민, 양창, 임영대, 최승연, 유원종(성균관대), 차승남, 김현진(삼성전자 종합기술원)

[EF3] 응용물리학회 Focused Session: Metamaterials

2011년 4월 15일 금요일 09:00 - 11:00

장소: 105

좌장: 우 정 원 이화여대

EF-10(초) [09:00-09:40]

광대역 메타물질: 원리와 응용 / 신종화(한국과학기술원 물리학과)

EF-11(초) [09:40-10:20]

Acoustic Metamaterial Exhibiting Four Different Sign Combinations of Density and Modulus / LEE Sam Hyeon(Yonsei University, Institute of Physics and Applied Physics), SEO Yong Mun(Myongji University, Department of Physics), PARK Choon Mahn(Anyang University, AEE Center), KIM Chul Koo, PARK Jong Jin, LEE Seung Hwan(Yonsei University, Institute of Physics and Applied Physics)

EF-12(초) [10:20-11:00]

A Terahertz Metamaterial with Unnaturally High Refractive Index / MIN Bumki(Korea Advanced Institute of Science and Technology)

[EF4] 응용물리학회 Focused Session: Medical Physics

2011년 4월 15일 금요일 11:15 - 13:30

장소: 105

좌장: 이 충 희 KISTI

EF-13(초) [11:15-11:45]

뇌과학 연구와 기능적 광학영상 기술동향 / 이충희(한국과학기술정보연구원 ReSEAT 프로그램)

EF-14(초) [11:40-12:05]

고감도 SQUID 센서를 이용한 뇌자도 신호측정 및 뇌기능진단 / 이용호, 권혁찬, 김기웅, 유권규, 김민영, 김진목(한국표준과학연구원 뇌인지측정연구단)

EF-15(초) [12:05-12:30]

2세대 OCT (OFDI)와 이의 의학적 응용 / 오왕열(KAIST 기계공학과)

EF-16 [12:30-12:45]

혈압 측정용 홀소자 맥진기와 3파장 LED 설진기 개발연구 /

이상석, 손일호, 최중구, 남동현, 황도근, 이충희(상지대)

EF-17 [12:45-13:00]

Density of fluorescent nanoparticles in the primo vessels in

brain and spinal cord / LIM Jaekwan, JUNG Jong Hyun, LEE Sungwoo,

SU Zhendong, QIANG Zhou, CHA Jin-Myung, LEE Jin-Kyu, SOH Kwang-Sup

(Nano Primo Research Center, Advanced Institutes of Convergence Technology, Seoul National University)

EF-18 [13:00-13:15]

Three oscillatory modes of insulin secretion and whole-body

glucose regulation / KANG Hyuk(National Institute for Mathematical

Sciences), HAN Kyungreem, KIM Jinwoong(College of Pharmacy and Research

Institute of Pharmaceutical Sciences, Seoul National University), LEE Myung-

Shik(Department of Medicine, Samsung Medical Center, and School of Medicine

Sungkyunkwan University), CHOI Moo Young(Department of Physics and

Center for Theoretical Physics, Seoul National University)

EF-19 [13:15-13:30]

Mathematical model for regulation and control of macro-

autophagy / HAN Kyungreem(College of Pharmacy and Research Institute of

Pharmaceutical Sciences, Seoul National University), KWON Hyunwoong

(Department of Physics and Center for Theoretical Physics, Seoul National

University), KANG Hyuk(National Institute for Mathematical Sciences), KIM

Jinwoong(College of Pharmacy and Research Institute of Pharmaceutical

Sciences, Seoul National University), LEE Myung-Shik(Department of Medicine,

Samsung Medical Center, and School of Medicine Sungkyunkwan University),

CHOI MooYoung(Department of Physics and Center for Theoretical Physics,

Seoul National University)

[EG6] 응용물리학분과회 General Session : Others

2011년 4월 15일 금요일 11:15 - 13:00

장소: 104

좌장: 이삼현 연세대

EG-38 [11:15-11:30]

Realization of a Modulus-Tuneable Metamaterial / SEO Yong

Mun(Myongji University, Department of Physics), PARK Jong Jin, LEE Seung

Hwan(Yonsei University, Institute of Physics and Applied Physics), PARK Choon

Mahn(Anyang University, AEE Center), KIM Chul Koo, LEE Sam Hyeon(Yonsei

University, Institute of Physics and Applied Physics)

EG-39 [11:30-11:45]

Cryogenic temperature measurement of THz meta-resonance in

symmetric metamaterial superlattice / 우제흔, 김은선, 최은영, 강보영, 이현희, 김정희, 이연의, 우정원(이화여대), 홍태윤, 김재훈(연세대)

EG-40* [11:45-12:00]

편광을 이용한 메타물질 유도투과현상 조절 / 이연의, 우제흔, 강보영, 이현희, 최은영, 김은선, 김정희, 우정원(이화여대)

EG-41 [12:00-12:15]

음향메타물질의 수중 클로킹 가능성 / 김상훈(목포해양대)

EG-42 [12:15-12:30]

Amplification of Acoustic Evanescent Waves / PARK Choon Mahn(Anyang University, AEEcenter), LEE Seung Hwan, PARK Jong Jin, KIM Chul Koo(Yonsei University, Institute of Physics and Applied Physics), SEO Yong Mun(Myongji University, Department of Physics), LEE Sam Hyeon(Yonsei University, Institute of Physics and Applied Physics)

E

EG-43* [12:30-12:45]

Reaction of 4,4"-dibromo-p-terphenyl (DBTP) deposited on Ag (111) surface: first-principles study / KOO Bon-Gil, KWON Young-Kyun(Department of Physics and Research Institute for Basic Sciences, Kyung Hee University)

EG-44* [12:45-13:00]

First-principles Study Of Acetylsalicylic Acid Adsorbed On Single-walled Carbon And Boron Nitride Nanotubes / KWON Dae-Gyeon, KWON Young-Kyun(경희대), KIM Gunn(세종대)

[FG1] 통계물리학분과회 General Session : 생물물리

2011년 4월 13일 수요일 15:15 - 17:00

장소: 108

좌장: 국 형 태 경원대

FG-01(초) [15:15-15:45]

High resolution membrane protein structure refinement by MD simulations in an explicit lipid bilayer: An application to the influenza A proton channel / 이명기(부경대)

FG-02 [15:45-16:00]

Forensic inferences for epidemic spreading based on pathogen sequence evolution / GHIM, Cheol-Min(School of Nano-Bioscience and Chemical Engineering, UNIST)

FG-03 [16:00-16:15]

Exploring Optimal Foraging Strategy of Subterranean Termites / LEE Sang-Hee, JEON Wonju(Division of Fusion and Convergence of Mathematical Sciences, National Institute for Mathematical Sciences)

FG-04 [16:15-16:30]

Stochastic Resonance in a Stretched Biopolymer: Effect of Hydrodynamic Interaction and Folding Attraction / KIM Won Kyu, SUNG Wokyung(Department of Physics and PCTP, Pohang University of Science and Technology)

FG-05 [16:30-16:45]

How bubbles are enhanced in looped short DNA / 이오철, 성우경(포항공대)

FG-06* [16:45-17:00]

The effects of tension and its non-equilibrium fluctuations on semiflexible polymer looping / SHIN Jaeoh, SUNG Wokyung(Department of Physics, Pohang University of Science and Technology)

[FF1] 통계물리학분과회 Focused Session : 상전이와 임계현상

2011년 4월 14일 목요일 09:00 - 11:00

장소: 108

좌장: 김 진 민 숭실대

FF-01(초) [09:00-09:30]

Role of Memory in the Contact Process / HA Meesoon(Department of Physics Education, Chosun University), PARK Heungsik(DMR Team, R & D

Division, Hynix Semiconductor Inc.), KWON Sungchul(Department of Physics, Kyung Hee University), PARK Hyunggyu(School of Physics, Korea Institute of Advanced Study)

FF-02 [09:30-09:45]

Scaling behaviors of the voltage distribution in dielectric breakdown networks / 이재성, 강병남(서울대)

FF-03 [09:45-10:00]

Connectivity-Disorder Effects on Synchronization Transition /

UM Jaegon(Korea Institute for Advanced Study), HONG Hyunsuk(Chonbuk National University), PARK Hyunggyu(Korea Institute for Advanced Study)

FF-04 [10:00-10:15]

A mean-field approach for the epidemic threshold of the susceptible-infectious-susceptible model / LEE Hyun Keun, NOH Jae Dong(University of Seoul, Physics Department), PARK Hyunggyu(Korea Institute for Advanced Study, School of Physics)

FF-05* [10:15-10:30]

Role of Inertia in Synchronization of Globally Coupled Oscillators / CHOI Chulho(Seoul National University, Department of Physics and Astronomy), HA Meesoon(Chosun University, Department of Physics Education), HA Seung-Yeal(Seoul National University, Department of Mathematical Science), KAHNG Byungnam(Seoul National University, Department of Physics and Astronomy)

FF-06* [10:30-10:45]

Sample-to-sample Fluctuations in the Zero-temperature Glauber Dynamics on Complex Networks / BAEK Yongjoo(Department of Physics, Korea Advanced Institute of Science and Technology), HA Meesoon(Department of Physics Education, Chosun University), JEONG Hawoong(Department of Physics, Korea Advanced Institute of Science and Technology)

FF-07* [10:45-11:00]

Isobar of an ideal Bose gas within the grand canonical ensemble / 박정혁, 전임택(서강대), 김상우(오사카)

[FG2] 통계물리학분과회 General Session : 복잡계

2011년 4월 14일 목요일 17:00 - 19:00

장소: 108

좌장: 정 하 응 카이스트

FG-07(초) [17:00-17:30]

Bifurcation Analysis in Love Dynamical Model with Time Delay / 손우식, 박영재(서강대)

FG-08 [17:30-17:45]

Structure of the group correlation in Korean financial markets /

임규창, 김경식(부경대), 김수용(한국과학기술원, 물리학과)

FG-09 [17:45-18:00]

Mechanism of the mining business in financial markets / 김경식(부

경대), 안상현, 김수용(한국과학기술원, 물리학과)

FG-10 [18:00-18:15]

한국 지진의 연결망 특징 연구 / 김경식, 백운학, 임규창, 이명기, 정재원(부경대)

FG-11 [18:15-18:30]

Discontinuous percolation transition in real-world systems / CHO

Young Sul, KAHNG Byungnam(서울대)

FG-12* [18:30-18:45]

Quantification of Artistic Periods through Luma Analysis in the Western Painting Arts / 김영호(Department of Physics, KAIST), 손승우

(Complexity Science Group, Department of Physics and Astronomy, University of Calgary, Canada), 정하웅(Department of Physics, KAIST; Institute for the BioCentury, KAIST)

FG-13* [18:45-19:00]

Statistical Mechanics of Subway Passenger Flow / CHOI Moo

Young(Department of Physics and Astronomy and Center for Theoretical Physics, Seoul National University), LEE Keumsook(Department of Geography, Sungshin University), GOH Segun(Department of Physics and Astronomy and Center for Theoretical Physics, Seoul National University), PARK Jong Soo(School of Information Technology, Sungshin University), JUNG Woo-Sung(Department of Physics and Basic Science Research Institute, Pohang University of Science and Technology)

[GG1] 물리교육분과회 General Session

2011년 4월 14일 목요일 12:30 - 14:30

장소: 108

좌장: 정 용 재 공주교대

GG-01 [12:30-12:50]

힘과 운동에 대한 지체장애중학생과 일반학교 중학생의 개념 비교 / 김홍정, 임성민(대구대)

GG-02 [12:50-13:10]

자기력선과 전기력선 개념 형성과정에서의 Faraday의 추론 및 귀추와 물리 수업에서의 과학사적 적용 / 김영민, 정성오(부산대)

GG-03 [13:10-13:30]

기초 물리량의 비례에 대한 학생들의 이해 / 오원근, 정미숙, 김종주(충북대)

GG-04 [13:30-13:50]

아인슈타인의 문제발견 및 가설형성에 대한 사례연구와 상대론적 사고 도입을 위한 교육적 방법의 제안 / 김재권, 김영민(부산대)

GG-05 [13:50-14:10]

일반물리 평가 기준의 설정을 위한 문항반응이론의 적용: 물리올림피아드 AP(대학 선이수) 과정을 중심으로 / 김성원, 문공주, 강유리(이화여대)

GG-06 [14:10-14:30]

물리교육의 연구와 실천 맥락에서 상호생성적 대화의 의미와 의의 / 임성민(대구대)

[HG1] 플라스마물리학과회 General Session: Basic Plasma Phenomena and Low Temperature Plasma Application

2011년 4월 14일 목요일 09:00 - 11:00

장소: 209

좌장: 유 신 재 표준원

HG-01* [09:00-09:15]

Sheath and Current dynamics and their limit with a variation of resistor connected to the Target at a Pulse Fall time / JAE-MYUNG Choe, KYUNG-JAE Chung, GON-HO Kim(Seoul National University)

HG-02 [09:15-09:30]

이온 에너지 분석기를 이용한 Ar 플라스마에서의 이온 에너지 분포에 관한 연구 / 김동현, 정재철, 이우현, 권오형, 김혁, 황기웅(서울대)

HG-03 [09:30-09:45]

The Extreme Ultraviolet (EUV) emissions measurement and plasma diagnostics in a coaxial electrodes with Ne-Xe mixture gas / LEE Sung Hee, HONG Young June, UHM Han Sup, CHOI Eun Ha(광운대)

HG-04* [09:45-10:00]

모세관 전극을 이용한 대기압 플라스마 젯의 세포 예정사에 대한 연구 / 조혜민, 정태훈, 배세환(동아대)

HG-05* [10:00-10:15]

대기압 마이크로 헬륨 플라스마 젯의 종류와 난류 천이에 따른 특성 분석 및 표면처리로의 응용 연구 / 정희수, 권보미, 김단비, 최원호(KAIST, 물리학과)

HG-06(초) [10:15-10:45]

One-dimensional modeling for space-charge-limited emission of secondary electrons from plasma-wall interactions / SEON Jongho, LEE Ensang(School of Space Research, Kyung Hee University), CHOE Wonho(Department of Physics, Korea Advanced Institute of Science and Technology), LEE Hae June(Department of Electrical Engineering, Pusan National University)

HG-07 [10:45-11:00]

2차원 축대칭 Particle-in-Cell시뮬레이션을 통한 홀 추력기의 불안정성 연구 / 송인철, 배효원(부산대), 최원호(카이스트, 물리학과), 선종호(경희대), 이해준(부산대)

[HF1] 플라스마물리학분과회 Focused Session: Plasma Simulation and Modeling

2011년 4월 14일 목요일 12:30 - 14:30

장소: 209

좌장: 허 민 섭 울산과기대

HF-01(초) [12:30-13:00]

Various Fluid And Hybrid Modelling Approaches Used For Silane-Hydrogen Discharges / REHMAN Aman-ur, 이재구(포항공대)

HF-02(초) [13:00-13:30]

Predictable modeling of fluorocarbon plasma etch process for 3D feature profile simulation / 임연호(전북대), 장원석, 권득철(국가핵융합연구소), 김진태, 조덕균(전북대), 유신재(표준과학연구원), 이해준(부산대), 윤정식(국가핵융합연구소)

HF-03(초) [13:30-14:00]

Ideal MHD Stability Analysis and Edge-Divertor Plasma Transport Simulation on Tokamak Hybrid Scenario Operation / HAN Hyunsun(National Fusion Research Institute), KWON Ohjin(Department of Physics, Daegu University), NA Yong-Su, HONG Sang Hee(Department of Nuclear Engineering, Seoul National University)

HF-04(초) [14:00-14:30]

Particle-in-cell simulation study on laser-plasma-based particle accelerators at Ultrashort Quantum Beam Facility (UQBF) / PAE K. H., LEE J.(Advanced Photonics Research Institute, GIST)

[HG2] 플라스마물리학분과회 General Session: Accelerator and Beam Physics

2011년 4월 14일 목요일 14:45 - 16:30

장소: 209

좌장: 석 희 용 광주과기원

HG-08(초) [14:45-15:15]

탁상형 엑스선 자유전자레이저 구현을 위한 레이저-플라즈마 기반 교번자장기 방사광 발생 실험 /

차혁진, 김형택, 김이종, 최일우, 김철민, 배기홍, 유태준, 이성구, 성재희, 윤진우, 정태문(광주과학기술원 고등광기술연구소), 정영욱(한국원자력연구원 양자광학연구부), 이종민(광주과학기술원 고등광기술연구소)

HG-09* [15:15-15:30]

The design study for a hard X-ray generation by using High Harmonic Generation Free Electron Laser / 김혜진, 김은산(경북대)

HG-10 [15:30-15:45]

Study on the Design and Manufacturing of a 28 GHz ECR Ion Source / 이병섭, 박진용, 최세용, 옥정우, 김병철, 김동준, 윤장희, 원미숙 (Korea Basic Science Institute)

HG-11 [15:45-16:00]

S-band RF gun development for PAL-XFEL / PARC Yong Woon (Pohang University of Science and Technology, Department of Physics), HONG Juho, CHAE Moonsik, KO In Soo (Pohang University of Science and Technology, Department of Physics), PARK Sung Ju (Pohang Accelerator Laboratory)

HG-12* [16:00-16:15]

Design of the Compact Re-entrant Cavity Beam Position Monitor for ILC / 유선영, 안정근(부산대/오사카대학), HAYANO Hitoshi (KEK LC Group)

HG-13 [16:15-16:30]

Controlling the Betatron Oscillations of a Wakefield-Accelerated Electron Beam by Temporally-Asymmetric Laser Pulses / NAM Inhyuk (Graduate Program of Photonics and Applied Physics, Gwangju Institute of Science and Technology (GIST)), HUR Min Sup (School of Electrical and Computer Engineering, Ulsan National Institute of Science and Technology (UNIST)), UHM Han Sup (Electrophysics Department, Kwangwoon University / Advanced Photonics Research Institute, Gwangju Institute of Science and Technology (GIST)), HAFZ Nasr A. M. (Advanced Photonics Research Institute, Gwangju Institute of Science and Technology (GIST)), SUK Hyyong (Graduate Program of Photonics and Applied Physics, Gwangju Institute of Science and Technology (GIST) / Advanced Photonics Research Institute, Gwangju Institute of Science and Technology (GIST))

[HF2] 플라스마물리학분과회 Focused Session: Intrinsic Rotation in TOKAMAK

2011년 4월 14일 목요일 17:00 – 19:00

장소: 209

좌장: 김 진 용 국가핵융합연

HF-05(초) [17:00-17:30]

Investigation of Toroidal Impurity Rotation in KSTAR / NA Yong-Su, LEE wonjae (Seoul National University, Department of Energy System Engineering), LEE SANG GON (National Fusion Research Institute), KIM HYUNSEOK (Seoul National University, Department of Energy System Engineering), KIM KI MIN (Center for Advance Research in Fusion Reactor Engineering)

HF-06(초) [17:30-18:00]

Gyrokinetic Simulation of Intrinsic Rotation Generation by ITG Turbulence / KWON Jae-Min, YI S-M., RHEE T. (National Fusion Research

Institute), DIAMOND P.H.(National Fusion Research Institute, UCSD), KIM J.Y.(National Fusion Research Institute)

HF-07(초) [18:00-18:30]

Intrinsic Rotation, Hysteresis and Back Transition in Reversed Shear Internal Transport Barriers / KIM Sung-Sik, JHANG Hogun(National Fusion Research Institute), DIAMOND P. H.(National Fusion Research Institute (also at University of California San Diego)), TERZOLO Laurent, YI Sumin(National Fusion Research Institute), HAHM Taik-Soo(Seoul National University)

HF-08(초) [18:30-19:00]

Role of Non-resonant Modes in Zonal Flows and Intrinsic Rotation Generation / YI Sumin, KWON J.M., RHEE T(WCI Fusion Theory Center, NFRI), DIAMOND P.H.(WCI Fusion Theory Center, NFRI, Korea & CMFTO and CASS, UCSD, USA), KIM J.Y.(WCI Fusion Theory Center, NFRI)

SESSION I

광학 및 양자전자학분과회

[IF1] 광학 및 양자전자학분과회 Focused Session

2011년 4월 14일 목요일 09:00 - 11:05

장소: 205

좌장: 오 경 환 연세대

IF-01(초) [09:00-09:25]

Ultrashort kHz Ti:Sapphire Laser / 남창희, 이재환, 김억봉, 박주윤
(KAIST, 물리학과 및 걸맞는 엑스선 연구단)

IF-02(초) [09:25-09:50]

펄스초 초강력 레이저 개발과 응용 / JEONG Tae Moon, YU Tae Jun, LEE Seong Ku, SUNG Jae Hee, LEE Jongmin(고등광기술연구소)

IF-03(초) [09:50-10:15]

초고속 광학 기반 초정밀 측정(Ultra-precision metrology based on ultrafast optics) / 김승우, 김영진, 김승철, 김윤석, 이주형(KAIST 극초단광학 초정밀기술 연구단)

IF-04(초) [10:15-10:40]

Ultrafast Fiber Lasers Incorporating Low-Dimensional Carbon-Nanostructures / SONG Yong-Won(KIST)

IF-05(초) [10:40-11:05]

Mode-Locked Fiber Lasers and its Applications / 김덕영(서울시), 송호성, 조승범, 송우섭(광주과학기술원 정보통신메트로닉스)

[IG1] 광학 및 양자전자학분과회 General Session

2011년 4월 14일 목요일 12:30 - 14:30

장소: 205

좌장: 신 현 준 포항공대

IG-01(초) [12:30-13:00]

고체표면으로부터 발생하는 상대론적인 고차조화파 발생 특성 / 김이중, 김형택, 김철민, 성재희, 이성구, 윤진우, 유태준, 정태문, 최일우, 이종민(광주과학기술원 고등광기술연구소), 윤혁, 윤상재, 남창희(한국과학기술원 물리학과)

IG-02(초) [13:00-13:30]

Realization of the Talbot effect using broadband polychromatic x-ray beam / NOH Do Young, KIM Jae Myung, CHO In Hwa(School of Materials Science and Engineering, Gwangju Institute of Science and Technology), LEE Su Yong(School of Materials Science and Engineering, Gwangju Institute of Science and Technology), KANG Hyon Chol(Department of Advanced Materials Engineering and BK21 Education Center of Mould

IG-03 [13:30-13:45]

Single-shot x-ray holography using Ni-like Ag x-ray laser / 김형택, 김철민, 김이중(광주과학기술원, 고등광기술연구소), 윤혁(한국과학기술원 물리학과), 최일우, 성재희, 유태준, 이성구(광주과학기술원, 고등광기술연구소), 전상철(한국과학기술원 나노종합팹센터), 정태문, 이종민(광주과학기술원, 고등광기술연구소)

IG-04* [13:45-14:00]

Rigorous Temporal Reconstruction of Attosecond Harmonic Pulses using the FROG-CRAB Technique / 고훈익(한국과학기술원, 물리학과), 김경택(광주과학기술원, 고등광기술연구소), 박주윤, 남창희(한국과학기술원, 물리학과)

IG-05 [14:00-14:15]

강력한 극초단펄스의 결맞는 증폭에 대한 이론적 연구: 고차조화파 주입 엑스선레이저 / 김철민, JANULEWICZ Karol, 이종민(광주과학기술원, 고등광기술연구소)

IG-06 [14:15-14:30]

페타와트 레이저 시스템의 이중모드와 이중 빔 제어 시스템 구현에 관한 방법 연구 / 유태준, 이성구, 성재희, 윤진우, 최일우, 정태문, 이종민(광주과학기술원, 고등광기술연구소)

[IG2] 광학 및 양자전자학분과회 General Session

2011년 4월 14일 목요일 14:45 - 16:45

장소: 205

좌장: 양진규 공주대

IG-07(초) [14:45-15:15]

Generation and Frequency Control of THz Waves by Nanoscale Piezo-engineering / JHO Young Dahl, JEONG Hoonill(광주과학기술원), STANTON C. J.(Univ. of Florida)

IG-08* [15:15-15:30]

Anomalous band formation of transmission through terahertz nanoresonators /

박영미, 박형렬, 김현선, 김규환, 이석호, 박완서, 이지예, 안광준, 김대식(서울대), J. Bravo-Abad, F. J. Garcia-Vidal(Departamento de Física Teórica de la Materia Condensada Universidad Autónoma de Madrid)

IG-09* [15:30-15:45]

단일벽 탄소나노튜브 박막을 이용한 테라헤르츠파 편광판 제작 / 홍정택, 박재구, 이순일, 안영환(아주대)

IG-10* [15:45-16:00]

Fresnel diffraction 기반의 Full field-optical coherence tomography 이미지 해상도 향상 / 이병하(광주과학기술원, 정보통신공학부), 민기현(광주과학기술원, 정보기전공학부), 김주완(광주과학기술원, 의료시스템학제 전공), 최우준(광주과학기술원, 정보기전공학부)

IG-11* [16:00-16:15]

Transmission Eigenchannels in a Disordered Medium / 최원식, 최원준(고려대), MOSK Allard(Complex Photonic Systems, Faculty of Science and Technology, and MESA+ Institute for Nanotechnology, University of Twente), 박규환(고려대)

IG-12* [16:15-16:30]

Bessel-like Beam Generation through Plasmonic Structure over Optical Fiber / KANG Sehun(Institute of Physics and Applied Physics, Yonsei University), JEO Hang-Eun(School of Mechanical Engineering, Yonsei University), KIM Jongki, JUNG Yoonseob(Institute of Physics and Applied Physics, Yonsei University), MIN Byung-Kwon(School of Mechanical Engineering, Yonsei University), OH Kyunghwan(Institute of Physics and Applied Physics, Yonsei University)

IG-13* [16:30-16:45]

Excitation of Multiple Surface Plasmon Modes between a Metal Layer and a 1D Photonic Crystal / 이광진, 김기홍(아주대 에너지시스템 학부)

[IG3] 광학 및 양자전자학분과회 General Session

2011년 4월 14일 목요일 17:00 - 19:00

장소: 205

좌장: 박희수 표준원

IG-14*(초) [17:00-17:30]

Construction of an optimal witness for unknown two photon-polarization qubit entanglement without full state reconstruction / 이승섭(KAIST 물리학과), 박희수, 김현오, 최상경(한국표준과학연구원 미래융합기술부), 심흥선(KAIST 물리학과)

IG-15 [17:30-17:45]

Ultrafast Phase Dynamics of ellipsometry Based on Spin Dichroism in Nanocrystal Quantum Dots /

KYHM Jihoon(Department of Physics, Pusan National University), JE Koochul(Department of Physics, Anyang University), KIBA Takayuki, MURAYAMA Akihiro(Division of electronics for Informatics, Hokkaido University), KYHM Kwangseuk (Department of Physics Education and RCDAMP, Pusan National University)

IG-16* [17:45-18:00]

홀이 뚫린 두개의 거울을 이용한 고출력 펄스 레이저 오실레이터 제작 /
송동훈, 황성인(광주과학기술원, 광응용물리학제전공), 김경남, 차용호, 정영욱(한국원자력연구원, 양자광학부), 고도경(광주과학기술원, 광응용물리학제전공, 고등광기술연구소)

IG-17* [18:00-18:15]

연속형 파라메트릭 발진기의 열 자체-유도 효과 Thermal self-guiding effect of cw OPO / 문한섭, 배인호(부산대), 김승관, 박승남, 이동훈(한국표준과학연구원 기반표준본부)

IG-18 [18:15-18:30]

Analysis of parameters for spectral trajectories of moiré waves /
SAVELJEV Vladimir, KIM Sung-Kyu(KIST)

IG-19* [18:30-18:45]

Self-Sustained Stationary Radiation of a PT Symmetric Optical System with Complex Refractive Indices / 유광수(카이스트 물리학과), SCHOMERUS Henning(Lancaster Univ. Dept. of Physics), 심흥선(카이스트 물리학과)

IG-20* [18:45-19:00]

Uniform luminescent Y_2O_3 nanoparticles doped with RE-ions /
ATABAEV Timur, 황윤희, 김형국(부산대)

SESSION J

원자 및 분자물리학과회

[JT1] 원자 및 분자물리학과회 Tutorial Session: Quantum Chaos

2011년 4월 13일 수요일 09:30 - 11:30

장소: 205

좌장: 최 낙 렬 금오공대

JT-01(초) [09:30-11:30]

Dynamical Systems - trace formulae and the thermodynamical formalism / TANNER Gregor(School of Mathematical Science, University of Nottingham)

[JG1] 원자 및 분자물리학과회 General Session: Cold Atoms and Molecules

2011년 4월 13일 수요일 13:00 - 14:45

장소: 205

좌장: 강 훈 수 광주과학기술원

JG-01(초) [13:00-13:30]

Knowledge is power: Maxwell's demon in the quantum wonderland / 김상욱(부산대), SAGAWA Takahiro, DE LIBERATO Simone, UEDA Masahito(University of Tokyo)

JG-02* [13:30-13:45]

A single atom as a nanoscopic probe of an optical field / LEE Moonjoo, KIM Junki, SEO Wontaek, HONG Hyun-Gue, SONG Younghoon, AN Kyungwon(School of Physics and Astronomy, Seoul National University)

JG-03 [13:45-14:00]

Dissipation-induced squeezing / WATANABE Gentaro(APCTP), MÄKELÄ Harri(Umeå Univ., Sweden)

JG-04 [14:00-14:15]

Nonlinear Dynamics of Bose-Einstein Condensates in Optical Lattices / YOO Sung M.(Hallym University)

JG-05* [14:15-14:30]

Dynamic Scaling Behavior of the Hysteresis Loop Area in a Periodically Modulated Cold Atomic System under Oscillating Bias Field / YONGHEE Kim(서울대), MYOUNG-SUN Heo(MIT), GEOL Moon, JI-HYOUN Kim, WONHO Jhe(서울대)

JG-06* [14:30-14:45]

Enhancement Of Molecular Orientation Using Two-color Laser Field / 윤혁(한국과학기술원, 물리학과), 김형택, 김철민(광주과학기술원, 고등광

기술연구소), 남창희(한국과학기술원, 물리학과), 이종민(광주과학기술원, 고등광기
술연구소)

[JT2] 원자 및 분자물리학분과회 Tutorial Session : Quantum Chaos

2011년 4월 13일 수요일 15:15 - 17:15

장소: 205

좌장: 최 낙 렬 금오공대

JT-02(초) [15:15-17:15]

Quantum chaos in atoms / TANNER Gregor(School of Mathematical
Science, University of Nottingham)

[JT3] 원자 및 분자물리학분과회 Tutorial Session : Quantum Chaos

2011년 4월 13일 수요일 17:30 - 18:30

장소: 205

좌장: 최 낙 렬 금오공대

JT-03(초) [17:30-18:30]

**Semiclassical theory for chaotic quantum systems / TANNER
Gregor**(School of Mathematical Science, University of Nottingham)

**[JG2] 원자 및 분자물리학분과회 General Session : Quantum
Information and Atom Interactions**

2011년 4월 14일 목요일 14:45 - 16:45

장소: 108

좌장: 노 흥 렬 전남대

JG-07(초) [14:45-15:15]

**가역적 원자앙상블을 이용한 장시간 양자메모리 Ultralong quantum
memories using a reversible atomic ensemble / 함병승**(인하대)

JG-08 [15:15-15:30]

**Phase-controlled Switching by Interference between Incoherent
fields in a double- Λ system / 강훈수**(광주과기원 고등광기술연구소), 김봉
준(광주과기원), 박영호(광주과기원 고등광기술연구소), 오차환(한양대), 이인원(광
주과기원 고등광기술연구소)

JG-09(초) [15:30-16:00]

Wave communication across regular lattices / TANNER Gregor
(School of Mathematical Science, University of Nottingham)

JG-10 [16:00-16:15]

**Photo-Ionization Cross Section of the Planar Helium Atom / LEE
Min-Ho, CHOI NarkNyul**(금오공대)

JG-11 [16:15-16:30]

Classical Mechanics of Hydrogen - Positron Scattering / CHOI

Nark Nyul, LEE Min-Ho(Kumoh National Institute of Technology)

JG-12 [16:30-16:45]

Effects of Configuration Interaction for Dielectronic Recombination of Na-like Ions forming Mg-like Ions / 권덕희(원자력연구원, 양자광학랩), SAVIN Daniel Wolf(Columbia University, Astrophysics Department)

[KG1] 반도체물리학회 General Session : 혼정 및 기타

2011년 4월 13일 수요일 13:00 - 14:45

장소: 106

좌장: 변 지 수 경북대

KG-01(초) [13:00-13:30]**MBE Growth and Transport Properties of Topological Insulator Bi_2Se_3 Thin Films /**

김용승(세종대), BANSAL Namrata, EDREY Eliav, BRAHLEK Mathew, HORIBE Yoichi, LI Guo-Hong, CHEONG Sang-Wook, OH Seongshik(Rutgers University, Department of Physics & Astronomy)

KG-02(초) [13:30-14:00]**Is it possible to realize high efficient polymer photovoltaic device using triplet exciton? /**

LEE Chang-Lyoul, HWANG In-Wook (Advanced Photonic Research Institute, Gwangju Institute Science and Technology), BYEON Clare Chisu(School of Mechanical Engineering, Kyungpook National University), HAN Song-Hee(Division of Liberal Arts and Science, Mokpo National Maritime University), NEIL Greenham(Cavendish Laboratory, University of Cambridge), KANG Nam-Gu, LEE Jae-Suk(School of Materials Science and Engineering, Gwangju Institute Science and Technology)

KG-03* [14:00-14:15]**Electronic Characteristics of Graphene on Various Substrates: SiN_x , SiO_2 , and Al_2O_3 /**

BAEK Hongwoo, HWANG Beomyong(Seoul National University, Department of Physics and Astronomy), LEE Eun Kyoung(Samsung Advanced Institute of Technology, Display Device and Processing Lab), KUK young(Seoul National University, Department of Physics and Astronomy)

KG-04* [14:15-14:30]**Surface-plasmon-enhanced visible light emission of ZnO/Ag grating structures /**

권민지, 이은송이, 김동욱(이화여대, 물리학과), 이기주(충남대), 김연상(서울대)

KG-05 [14:30-14:45]**Polymer-ultrathin graphite sheets-polymer composites structured flexible nonvolatile bistable organic memory devices /**

손동익(한국과학기술연구원), 김태환, 박원일(한양대), 최원국(한국과학기술연구원)

[KT1] 반도체물리학과회 Tutorial Session : 저차원 반도체의 양자전송

2011년 4월 13일 수요일 17:30 - 19:30

장소: 106

좌장: 임 현 식 동국대

KT-01(초) [17:30-19:30]

저 차원 반도체 나노구조에서의 양자전송 / 김길호(성균관대)

[KG2] 반도체물리학과회 General Session : III-V 화합물반도체

2011년 4월 14일 목요일 09:00 - 11:00

장소: 106

좌장: 이 삼 녕 한국해양대

KG-06(초) [09:00-09:30]

Fabrication of nanoporous GaN and its application to solar based water splitting /

RYU Sang-Wan(Chonnam National University), YU Zhang, HAN Jung, LEUNG Benjamin, YERINO Christopher(Yale University)

KG-07(초) [09:30-10:00]

Overcoming efficiency loss mechanisms in GaN-based light-emitting diodes /

KIM Jong Kyu(Department of Materials Science and Engineering, POSTECH)

KG-08* [10:00-10:15]

GaN계 청색 발광다이오드의 저 전류 스트레스 전·후의 광 및 전기적 특성변화 / 김서희, 신동수, 심종인, 윤주선(한양대)

KG-09* [10:15-10:30]

Formation mechanism of the strain-induced self-catalyst GaN nanorods on Si (111) substrate by using MOCVD /

고석민, 조용훈(한국과학기술원 물리학과), 윤종문, 이정용(한국과학기술원 신소재 공학과)

KG-10* [10:30-10:45]

Beam flux modulation 법을 통한 고품질의 GaN 성장 / 나용운(전자부품연구원 화합물소자연구센터, 인천대), 노정현, 하민우, 최홍구, 송홍주, 이준호(전자부품연구원 화합물소자연구센터), 강준희(인천대), 한철구(전자부품연구원 화합물소자연구센터)

KG-11 [10:45-11:00]

Tuning of Photonic Crystal Nanocavity Modes / 이홍석(광주과학기술원, 고등광기술연구소), RASTELLI Armando, KIRAVITTAYA Suwit, SCHMIDT Oliver G.(IFW Dresden, Institute for Integrative Nanosciences)

[KF1] 반도체물리학분과회 Focused Session : Sensors

2011년 4월 14일 목요일 13:00 - 14:30

장소: 106

좌장: 김 용 민 단국대

KF-01(초) [13:00-13:30]

Beyond the Limit of Nanoscale Sensors; Detection of Escherichia Coli / LEE Jeong-O, PARK DONG-WON, SEO EUN MI, KIM SEUNG-SU, KIM BEOM SOO, CHANG HYUNJU(NanoBio Fusion Research Center, Korea Research Institute of Chemical Technology)

KF-02(초) [13:30-14:00]

Nano-Bio Sensor Platforms based on the Nanoelectronics and Nanophotonics / 성건용(한국전자통신연구원 바이오센서연구팀)

KF-03(초) [14:00-14:30]

렌즈프리 CMOS 이미지 센서 기반의 혈액분석 기술 / 서성규(고려대)

[KG3] 반도체물리학분과회 General Session : III-V 화합물반도체

2011년 4월 14일 목요일 14:45 - 17:15

장소: 106

좌장: 김 종 수 영남대

KG-12(초) [14:45-15:15]

GaN 전자소자 글로벌 연구개발 동향 / 문재경(한국전자통신연구원, IT융합부품연구소, RF융합부품연구팀), 남은수(한국전자통신연구원, IT융합부품연구소, 광RF융합부품연구부)

KG-13* [15:15-15:30]

Low resistance and improved morphology of ohmic contacts for AlGaIn/GaN / 남호준, 최홍구, 송홍주, 노정현, 하민우, 이준호(전자부품연구원, 화합물소자연구센터), 박정호(고려대), 한철구(전자부품연구원, 화합물소자연구센터)

KG-14* [15:30-15:45]

금속 스파이크를 억제한 고전압 GaN 쇼트키 장벽 다이오드 / 하민우(전자부품연구원 화합물소자연구센터), 황대원(전자부품연구원), 노정현, 최홍구, 송홍주, 이준호, 한철구(전자부품연구원 화합물소자연구센터)

KG-15* [15:45-16:00]

Ni/Pt/Au 쇼트키 접합을 이용한 GaN 쇼트키 장벽 다이오드의 누설전류 감소 / 황대원(전자부품연구원), 하민우, 노정현, 최홍구, 송홍주, 이준호(전자부품연구원 화합물소자연구센터), 박정호(고려대), 한철구(전자부품연구원 화합물소자연구센터)

KG-16* [16:00-16:15]

Streak camera를 이용한 InAs/GaAs 단일 양자점에서의 exciton과 bi-

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exciton의 lifetime 측정 / 정혁, 박재규, 이종민, 전봉환, 김문덕, 이동한(충남대)

KG-17* [16:15-16:30]

Study of Two-state Lasing Behavior from InAs/GaAs Quantum Dot Laser Diodes / 이종민, 이동한(충남대), 김정호(경희대)

KG-18* [16:30-16:45]

THz Generation Mechanisms Probed by Thickness-Dependent Phase Variation in InAs / 홍영빈(광주과학기술원, 정보통신공학과), 정지훈(광주과학기술원, 고등광기술연구소), 정훈일(광주과학기술원, 정보통신공학과), 신상훈, 송진동(KIST, Nano Convergence Device Center), 최상배, 조영달(광주과학기술원, 정보통신공학과)

KG-19* [16:45-17:00]

Investigation of Interlayer Exchange Coupling in Diluted Magnetic Semiconductor GaMnAs/GaAs:Be Superlattices / LEE sang yeop, LEE Hakjoon, GWON yoonjung, BYEON hye-hyeon, KHYM S., SHIN jinsik, LEE sanghoon(Korea University, Department of Physics), LIU X., FURDYNA J.K.(University of Notre Dame, Department of Physics)

KG-20* [17:00-17:15]

Observation of a new uniaxial anisotropy along the [100] direction in GaMnAs film / SHIN Jinsik, LEE Hakjoon, YOO Taehee, GWON yoonjung, WON Jaehyuk, CHOI seonghoon, LEE sanghoon(Korea University, Department of Physics), X. Liu, J. K. Furdyna(University of Notre Dame, Department of Physics)

[KG4] 반도체물리학회 General Session : II-VI 화합물반도체

2011년 4월 14일 목요일 17:30 - 19:00

장소: 106

좌장: 이 창 렬 광주과학기술원

KG-21(초) [17:30-18:00]

Polarity Control of ZnO film and Applications / 박진섭(한양대), YAO Takafumi(Tohoku University, Applied Physics)

KG-22* [18:00-18:15]

Foldable and Thermally Stable Paper Nanogenerators / KIM Kwon-Ho, LEE Keun Young, SEO Ju-Seok, KUMAR Brijesh(Sungkyunkwan University, School of Advanced Materials Science and Engineering), KIM Sang-Woo(Sungkyunkwan University, School of Advanced Materials Science and Engineering, SKKU Advanced Institute of Nanotechnology (SAINT), Center for Human Interface Nanotechnology (HINT))

KG-23* [18:15-18:30]

Growth of catalysis-free ZnO nanorod using pulsed laser deposition /

LEE Youngmin, LEE Sejoon, LEE Jin Yong, JUNG Eiwhan, KIM Deuk Young(Dongguk University, Department of Semiconductor Science)

KG-24* [18:30-18:45]

Chlorine-doped Zinc Oxide as Transparent Conducting Electrode by Pulsed Laser Deposition /

PARK Eun-Ji, LEE Jae-Chul(Department of Physics, Quantum Functional Semiconductor Research Center(QSRC), Dongguk University), NAGARAJAN Ganapathi Subramaniam(Quantum Functional Semiconductor Research Center(QSRC), Dongguk University), LEE Ju-Won, LEE Ji-Eun, KANG Tae-Won(Department of Physics, Quantum Functional Semiconductor Research Center(QSRC), Dongguk University)

KG-25* [18:45-19:00]

Enhanced light output of GaN-based light emitting diodes with ZnO nanorod arrays grown by hydrothermal method /

JEONG Hyun, OH Tae Su, LEE Yong Seok, SEO Tae Hoon, KIM Hun, PARK Ah Hyun, CHOI Young Ran(Chonbuk Nat' l Univ.), KIM Young Hwan(Sungkyunkwan Univ.), JEONG Mun Seok(Gwanju Institute of Science and Technology), SUH Eun-Kyung(Chonbuk Nat' l Univ.)

[KF2] 반도체물리학분과회 Focused Session: Flexible Devices

2011년 4월 15일 금요일 09:30 - 11:00

장소: 106

좌장: 한 일 기 과기연

KF-04(초) [09:30-10:00]

Linear Facing Target Sputtering Technology for Flexible Electronics / 김한기(경희대)

KF-05(초) [10:00-10:30]

Highly stable oxide TFT fabricated at low temperature / 박상희(산화물전자소자연구팀, ETRI)

KF-06(초) [10:30-11:00]

Thin Film Barrier and Encapsulation on flexible electronics devices / PARK Jin-Seong(Materials Science and Engineering, Dankook University)

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[KG5] 반도체물리학회 General Session : 원소 및 IV-IV 화합물반도체

2011년 4월 15일 금요일 11:15 - 13:00

장소: 106

좌장: 한 원 석 ETRI

KG-26(초) [11:15-11:45]

Tungsten Dual Poly-Metal Gate Technology for High Performance DRAM Device / KIM Yong Soo(Dep. of Physics, University of Ulsan), SUNG Min Gyu(FEP group, SEMATECH), PARK Sung-Ki(Memory R&D Div., Hynix Semiconductor Inc.)

KG-27* [11:45-12:00]

New Origins of Oasing in ZnO by Oemperature Dependence of Modal Gain Contour Map / 김범진, 김도만, 조채룡, 김광석(부산대)

KG-28 [12:00-12:15]

Electronic Structure and Thermoelectric Properties of GeTe: First-Principles Calculations and Experimental Studies / 오민욱, 김봉서, 박수동, 민복기, 이희웅(한국전기연구원)

KG-29 [12:15-12:30]

A-Si:H TFT와 a-SiGe:H TFT의 게이트 바이어스 스트레스 효과 비교 / 전호식, 허양욱, 배병성(호서대)

KG-30 [12:30-12:45]

Effects of Ar Plasma Treatment on Adhesion Property of Graphene to Metal / 최민섭, 이승환, 유원종(SKKU Advanced Institute of Nano-Technology)

KG-31* [12:45-13:00]

CVD 그래핀 채널 FET의 전기적 특성 / 이승환, 최민섭, 유원종(성균나노과학기술원(SAINT))

SESSION L

천체물리학분과회

[CF1] 입자 · 원자핵 · 천체물리학분과회 공동 Focused Session

2011년 4월 14일 목요일 09:00 – 11:00

장소: 206

좌장: 이 창 환 부산대

CF-01(초) [09:00-09:30]

Current Status of the KoRIA Project / HONG Seung-Woo
(Sungkyunkwan University)

CF-02(초) [09:30-10:00]

Physics Research with KoRIA / KIM YONG KYUN(Hanyang University)

CF-03(초) [10:00-10:30]

Nuclear astrophysics / KAJINO Toshitaka(National Astronomy Observatory of Japan)

CF-04(초) [10:30-11:00]

Particle Physics at KoRIA / 홍덕기(부산대), 최수용(고려대)

[LG1] 천체물리학분과회 General Session

2011년 4월 15일 금요일 09:00 – 11:00

장소: 204

좌장: 오 상 훈 국가수리과학연

LG-01 [09:00-09:15]

Dense Stellar Matter with Strange Quark Matter Driven by Kaon Condensation /

KIM Kyungmin, LEE Hyun Kyu(Department of Physics, Hanyang University),
RHO Mannque(Department of Physics, Hanyang University & CEA Saclay, France)

LG-02 [09:15-09:30]

Mini-soliton stars and black holes as dark matter candidates /
KIM Hongsu(Korea Astronomy and Space Science Institute, KVN)

LG-03 [09:30-09:45]

Light Bending by Nonlinear Electrodynamics / 김진영, 이태균(군산대)

LG-04 [09:45-10:00]

Perturbative stability of the AdS soliton background spacetime /
강궁원(KISTI), 오창현, 이철훈(한양대 물리학과)

LG-05 [10:00-10:15]

Perturbations from an initially anisotropic universe / 김형찬(충주대)

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LG-06 [10:15-10:30]

Classification of the possible types of false vacuum bubbles with a finite size background in curved space / LEE Wonwoo(Center for Quantum Spacetime, Sogang University), LEE Bum-Hoon(Department of Physics and BK21 Division, and Center for Quantum Spacetime, Sogang University), LEE Chul H., OH Changheon(Department of Physics, Hanyang University)

LG-07 [10:30-10:45]

Oscillating bounce and instanton solutions of a self-gravitating scalar field between the degenerate vacua / OH Changheon (Department of Physics, Hanyang University), LEE Bum-Hoon(Department of Physics and BK21 Division, and Center for Quantum Spacetime, Sogang University), LEE CHUL H.(Department of Physics, Hanyang University), WONWOO Lee(Center for Quantum Spacetime, Sogang University)

LG-08* [10:45-11:00]

Bounce solutions in the Brans-Dicke type theory of gravity / 이영재(KAIST), 김홍서(KASI), 염동한, 이범훈, 이원우(서강대)

[LG2] 천체물리학분과회 General Session

2011년 4월 15일 금요일 11:15 - 13:00

장소: 204

좌장: 오 정 근 국가수리과학연

LG-09 [11:15-11:30]

Recent results of the CREAM experiment and its upgrade with the large silicon charge detector / 이직, 나고운, 남지우, 박일홍, 서정은, 이해영, 전진아, 임선인, 양종만(이화여대), 서은숙, 이무현(University of Maryland, Institute of Physical Science and Technology)

LG-10* [11:30-11:45]

UFFO capability in GRB science / JEONG Soomin(Research Center of the MEMS Space Telescope, Dept. of Physics, Ewha Womans University), GROSSAN Bruce(Berkeley Center for Cosmological Physics (BCCP), University of California, Berkeley, USA.), LIM Heuijin(Institute for the Early Universe, Ewha Womans University), LEE Jik, NAM Jiwoo(Research Institute for Basic Sciences, Ewha Womans University), PARK Il H.(Research Center of the MEMS Space Telescope, Dept. of Physics/Institute for the Early Universe, Ewha Womans University), On behalf of the UFFO collaboration(UFFO collaboration)

LG-11* [11:45-12:00]

The trigger algorithm, the image reconstruction algorithm and the UFFO Burst Alert X-ray Trigger Telescope (UBAT) development for the Ultra-Fast Flash Observatory (UFFO) pathfinder / NA Gowoon, JUNG Aera, PARK Il H.(Research Center of the

MEMS Space Telescope, Dept. of Physics, Ewha Womans University), **LEE Jik**, **NAM Jiwoo**(Research Center of the MEMS Space Telescope, Research Institute for Basic Sciences, Ewha Womans University), **LIM Heuijin**(Institute for the Early Universe, Ewha Womans University), **BRANDT Søren**(Technical University of Denmark, National Space Inst., Denmark), **EYLES Chris**, **CONNELL Paul**(Image Processing Laboratory, Univ. of Valencia, Spain), **GROSSAN Bruce**(Berkeley Center for Cosmological Physics, Space Sciences Laboratory, Institute for the Early Universe, Univ. of Berkeley, USA)

LG-12 [12:00-12:15]

Design and Fabrication of UBAT(UFFO Burst Alert x-ray Trigger telescope) for the Gamma-Ray Burst detection / 최연주, 민경욱(KAIST 물리학과), 정애라, 박일홍, 남지우, 임희진, 김지은, 나고운, 이직(이화여대), **REGLERO Victor**, **RODRIGO Juana M.**(University of Valencia, IPL), **DAGORET Sylvie**(University of Paris Sud-11), **GORODETZKY Phillippe**(University of Paris 7)

LG-13* [12:15-12:30]

SMT(Slewing Mirror Telescope) Integration and Performance Test / **AHN Ki-Beom**(Space Optics Laboratory, Dept. of Astronomy, Yonsei University / Institute of Space Science and Technology, Yonsei University), **JEONG Soomin**, **KIM Jieun**(Research Center of the MEMS Space Telescope, Dept. of Physics, Ewha Womans University), **KIM Sug-Whan**(Space Optics Laboratory, Dept. of Astronomy, Yonsei University / Institute of Space Science and Technology, Yonsei University), **LEE Jik**(Research Center of the MEMS Space Telescope, Dept. of Physics, Ewha Womans University), **LIM Heuijin**(Institute for the Early Universe, Ewha Womans University), **LINDER E. V.**(Institute for the Early Universe, Ewha Womans University / Berkeley Center for Cosmological Physics (BCCP), University of California, USA), **NAM Jiwoo**(Research Institute for Basic Sciences, Ewha Womans University), **NAM Koohyun**(Research Center of the MEMS Space Telescope, Dept. of Physics, Ewha Womans University), **PARK Il H.**(Research Center of the MEMS Space Telescope, Dept. of Physics, Ewha Womans University / Institute for the Early Universe, Ewha Womans University), **SMOOT G.F.**(Institute for the Early Universe, Ewha Womans University / Berkeley Center for Cosmological Physics (BCCP), University of California, USA)

LG-14* [12:30-12:45]

TLE(Transient Luminous Event)의 관측을 위한 위성탐재체 MTEL-II의 개발 / 서정은, 김지은, 나고운, 정애라, 전진아, 김예원, 이직, 박일홍, 남지우(이화여대)

LG-15* [12:45-13:00]

Simulation Study for Air Shower Core Correction in The Large Ground Array for Cosmic Ray Observation / 조우람, 김흥기, 신재익, 권영준(연세대)

The Korean Physical Society

포스터발표논문 시간표

2011년 4월 13일 수요일 15:15 - 17:15

장소: 포스터 발표장

Dp-I-001*

Phase Diagram of the Hubbard Model with Staggered Lattice Potential / KIM Aaram J.(서울대), JEON Gun Sang(이화여대)

Dp-I-002*

Effects of annealing atmosphere on electrical properties of EuMnO₃-doped BiFeO₃ thin films / 김상수, 김진원, 최은진, 김가현, 김은선, 배유리, 도달현, C. M. Raghavan, 이명환, 조형준, 박진수, 김다정, 송태권(창원대)

Dp-I-003

Structure and magnetic properties of BiMnO₃/LaAlO₃(001) film / JEONG YOONHEE, JUNG MINHWA(Department of Physics, POSTECH)

Dp-I-004*

Absence of Partial Kondo Screening in Kondo Necklace Model on the Triangular Lattice / GO Ara(서울대), JEON Gun Sang(이화여대)

Dp-I-005

Neutron Diffraction Study of Temperature dependent Anion height in Ba₁Fe₂As₂ / 부영건, 김용관, 정원식, 김철, 송동준, 고윤영, 한가람, 최환영, 김범영, 김창영(연세대)

Dp-I-006

Electronic Structures and Magnetic properties of 2p electron dioxygenyl magnet : O₂MF₆ (M=Sb, Pt) / 김민재, 민병일(포항공대)

Dp-I-007

Low-dimensional Magnetism of Layered Inorganic/Organic Hybrid (C₆H₅CH₂CH₂NH₃)₂MnCl₄ Single Crystal /

PARK Seong-Hun (Department of Chemistry, Faculty of Liberal Art & Teacher Education, University of Seoul), OH In-Hwan, PARK J. M. Sungil(Neutron Science Division, KAERI), HUH Young-Duk(Department of Chemistry, Dankook University)

Dp-I-008

Effects of TiO₂ buffer layer on the electric and optical properties of VO₂ films on glass substrates using pulsed laser deposition /

LI Jian, DHO Joonghoe(Kyungpook National University)

Dp-I-009*

Dielectric and ferroelectric properties of $\text{BaTiO}_3\text{-SrTiO}_3$ solid solution / KIM Sang Wook, CHOI Hae In, DO Dal Hyun, KIM Sang Soo, KIM Won Jeong(Department of Physics, Changwon National University), LEE Myang Hwan, PARK Jin Su, CHO Hyong Jun, KIM Da Jeong, CHO Jong Ho, SONG Tae Kwon(School of Nano & Advanced Materials Engineering, Changwon National University)

Dp-I-010*

Electron correlation induced small anisotropy in iron-based superconductors / 지효석, 이근식, 심지훈(포항공대)

Dp-I-011

The Experimental 3-dimensional Electronic Structure of $\text{NiS}_{1.3}\text{Se}_{0.7}$ / 한가람, 김철, 경원식, 김용관, 고윤영, 정원식, 송동준, 최환영, 김범영, 부영건(연세대), 이경동(인하대), 김창영(연세대)

Dp-I-012*

Optical Spectroscopic Investigation on the Electronic Structure of $\text{LaVO}_3/\text{SrVO}_3$ Superlattices / JEONG DaWoon, CHOI Woo Seok, SOHN ChangHee(Seoul National University), DAVID Adrian(CNRS, France), LEE YunSang(Soongsil University), PRELLIER Wilfrid(CNRS, France), NOH TaeWon(Seoul National University)

Dp-I-013

Enhanced electrical properties of Gd- and Mn-codoped BiFeO_3 thin films prepared by chemical solution deposition / 김상수, 김가현, 김진원, 최은진, 김은선, 배유리, 도달현, C. M. Raghavan(창원대)

Dp-I-014

Ferroelectric and Magnetic properties of La and Zn co-doped BiFeO_3 thin films / LEE Myang Hwan, SONG Tae Kwon, PARK Jin Su, CHO Jong Ho, KIM Myong-Ho, SUNG Yeon Soo(School of Nano & Advanced Mat. Eng., Changwon Nat' l Univ.), DO Dal Hyun, KIM Won-Jeong, KIM Sang Soo(Department of Physics, Changwon Nat' l Univ.)

Dp-I-015

Ferroelectric Property Of BiFeO_3 Thin Films With Different Iron Valence States / CHOI H. I., KIM S. W., KIM W.-J., KIM J. W., DO D., KIM S. S.(Department of Physics, Changwon National University), LEE M. H., PARK J. S., CHO H. J., KIM D. J., CHO J. H., SONG T. K.(School of Nano & Advanced Material, Changwon National University)

Dp-I-016

EuMnO_3 effects on the structure and electrical properties of

chemical solution deposited BiFeO₃ thin films / 김상수, 도달현, 김진원, 최은진, 김가현, 김은선, 배유리, C. M. Raghavan, 이명환, 송태권(창원대)

Dp-I-017

X-선 미세회절을 이용한 BiFeO₃ / SrTiO₃ (001) 박막의 응력분포의 변화 측정 / 정진석, 박정현(송실대), 김태현(서울대)

Dp-I-018

Analysis for crystal structure of rare-earth substituted BiFe_{0.975}Cu_{0.025}O_{3-δ} thin films and their electrical properties / 김상수, 배유리, 김진원, 최은진, 김가현, 김은선, 도달현, C. M. Raghavan, 이명환, 조형준, 박진수, 김다정, 조종호, 송태권(창원대)

Dp-I-019

Study on bulk electronic structure of Bi_{1-x}Sb_x (X=0.04) by ARPES / 김범영, 김용관, 정원식, 김철, 송동준, 고윤영, 경원식, 한가람, 최환영, 부영건, 김창영(연세대), 이경동, 허남정(인하대)

Dp-I-020

Dielectric properties of (0.9)K_{0.5}Na_{0.5}NbO₃ - (0.1)Zn_{1-x}Li_xO ceramics / 전병억, 신승인, 박준건(KAIST부설), 최 병춘, Li Guojie(부경대)

Dp-I-021*

Neutron Diffraction Study of the Co Doping Effect on the Magnetoelectric Properties of Multiferroic Mn_{1-x}Co_xWO₄ / SONG Young-Sang, CHUNG Jae-Ho(Korea University), KIM Seong-Baek(Konyang University), SCHEFFER Juerg(Paul Scherrer Institute), YAN Li Qin, LEE Bumsung, CHUN Sae-Hwan, KIM Kee Hoon(Seoul National University), NOGAMI A., KATSUFUJI T.(Waseda University)

Dp-I-022*

Ta doping effect of (K_{0.48}Na_{0.48}Li_{0.04})(Nb_{0.995-x}Mn_{0.005}Tax)O₃ lead-free ferroelectric thin films / 김일원, 석해진, 이선영, 안창원, ULLAH Aman(울산대), 김진원, 김상수(창원대), 한승호, 황학인(전자부품연구원, 융합부품연구부)

Dp-I-023

Temperature Dependent Optical Observation on Rb₃H(SO₄)₂ by Polarizing Microscope / OH In-Hwan(Neutron Science Division, KAERI), LEE Kwang-Sei(Department of Nano Systems Engineering, Center for Nano Manufacturing, Inje University)

Dp-I-024

Electrical characteristics of (Bi_{0.9}A_{0.1})(Fe_{0.9}Mn_{0.1})O_{3-δ} (A=Nd, Sm, Ce, Tb) thin films prepared by chemical solution deposition / 김상

수, 김은선, 김진원, 최은진, 김가현, 배유리, 도달현, C. M. Raghavan, 이명환, 조형준, 박진수, 김다정, 조종호, 송태권(창원대)

Dp-I-025

Single crystal synthesis of Fe doped 2H-NbSe₂ by vapor transport method / 고윤영, 한가람, 정원식, 김철, 송동준, 김용관, 경원식, 최환영, 김범영, 부영건, 김창영(연세대)

Dp-I-026

Electrical properties of (Na_{0.52}K_{0.48})_{1.03}(Nb_{0.55}Ta_{0.45})O₃ thin films by pulsed laser deposition / PARK Jin Su, LEE Myang Hwan, CHO hyong Jun, KIM Da Jeong, CHO Jong Ho, SONG Tae Kwon, SUNG Yeon Soo, KIM Myong-Ho(School of Nano & Advanced Materials Engineering, Changwon National University), CHOI Hae In, KIM Sang Wook, KIM Won-Jeong, KIM Jin Won, DO Dal Hyun, KIM Sang Soo(Department of Physics, Changwon National University)

Dp-I-027*

NMR study of the protonic conductor LiH₂PO₄ / KWEON Jin Jung, LEE Kyu Won, LEE Cheol Eui Lee(Korea University, Department of Physics and Institute for Nano Science), LEE Kwang-Sei(Inje University, Department of Nano Systems Engineering), NOH S. J., KIM H. S.(Dankook University, Department of Applied Physics)

Dp-I-028*

Electronic structure studies on potassium adsorbed Bi2201 by angle-resolved photoemission spectroscopy / 김철, 경원식, 한가람, 송동준, 김용관, 정원식, 고윤영, 최환영, 부영건, 김창영(연세대)

Dp-I-029*

Adsorptions of ⁴He and H₂ on the surface of a single C₂₀ molecule / 심수민, 권용경(건국대)

Dp-I-030

Physical properties of highly-elongated BiFeO₃ thin films / 우창수, 이진홍, 주강현(KAIST, Department of Physics), 양찬호(KAIST, Department of Physics, KAIST Institute for the NanoCentury)

Dp-I-031*

Electronic structure of Ca intercalated graphite compounds / 경원식, 임춘식, 김철, 김용관, 한가람(연세대), 김영욱, 김준성(포항공대), 송동준, 정원식, 고윤영, 최환영, 김범영, 부영건, 김창영(연세대)

Dp-I-032

Investigation of Photoluminescence in perovskite SrZrO₃ nano-

powder synthesized by using the combustion method / LEE D. J, PARK J. W, KIM D. H, LEE Y. S(Department of Physics, Soongsil University)

Dp-I-033*

Photocurrent Behavior Of $(K_{0.5}Na_{0.5})(Nb_{0.995}Mn_{0.005})O_3$ Thin Films / 김일원, 박정민, 안창원, 석해진, 최강호(울산대), 진병문(동의대)

Dp-I-034*

Mn doping effect of Lead-free $(K, Na, Li)(Nb, Ta, Sb, Mn)O_3$ Thin Films Fabricated by RF Magnetron Sputtering / 김일원, 우원석, 안창원, 박봉찬, 최진호(울산대 물리학과)

Dp-I-035*

Field Dependence of Magnetic Order in Magnetoelectric Hexaferrite $Ba_{0.5}Sr_{1.5}Zn_2(Fe_{1-x}Al_x)_{12}O_{22}$ Single Crystals / LEE Hak Bong, CHANG Hun, SONG Young-Sang, CHUNG Jae-Ho(Korea University), PROKES Karel, MATAS Slavomir(Helmholtz Zentrum Berlin fuer Materialien und Energie), SCHEFFER Juerg(Paul Scherrer Institute), CHUN Sae Hwan, CHAI Yi Sheng, KIM Kee Hoon(Seoul National University)

Dp-I-036

Structural and electrical properties in transition metal doped $Bi_{0.9}Eu_{0.1}FeO_3$ thin films / 김상수, 최은진, 김진원, 김가현, 김은선, 배유리, 도달현, C. M. Raghavan(창원대)

Dp-I-037

Electrostatic Force Microscopy Study on Electronic Ferroelectric $LuFe_2O_4$ Single Crystal / YANG ILKYU, JEONG YOONHEE(POSTECH, PHYSICS)

Dp-I-038

Electronic Structure Study of In-Situ Cu Doped $1T-TiSe_2$ by Angle-Resolved Photoemission Spectroscopy / NOH Han-Jin, JEONG Jinwon, JEONG Jinhwan(Dep. Of Physics, Chonnam National University), KIM Sung Baek(Konyang University), KIM Hyeong-Do(Pohang Accelerator Laboratory, POSTECH)

Dp-I-039

Pseudo-gap Evolution Of Electron Doped Cuprate $Pr_{0.9}LaCe_{0.1}CuO_{4+d}$ And $Nd_{1.85}Ce_{0.15}CuO_{4+d}$ by ARPES / 최환영, 송동준, 김철, 김용관, 정원식, 고윤영, 경원식, 한가람, 김범영, 부영건(연세대), EISAKI HIROSHI, YOSHIDA YOSHIYUKI(Advanced Industrial Science and Technology, Japan), 김창영(연세대)

Dp-I-040

The theoretical demonstration of the hybridization gap

formation in CeCoGe₂ / 최홍철, 심지훈(포항공대)

Dp-I-041

ZnO nanorod on c-Al₂O₃ substrates growth by pulsed laser deposition / KIM Da Jeong, LEE Myang Hwan, PARK Jin Su, CHO hyong Jun, CHO Jong Ho, SONG Tae Kwon, KIM Myong-Ho, SUNG Yeon Soo, KIM Sang Wook, CHOI Hae In, KIM Won-Jeong, DO Dal Hyun, KIM Sang Soo(창원대)

Dp-I-042

Effect of Ag-excess on AgNbO₃ thin films grown by chemical solution deposition / 김일원, 채송아, 안창원, 이한나(울산대), 배세환(동아대), 장세홍, 황학인(한국전자부품연구원, 융합부품연구부)

Dp-I-043

Polymorphic Phase Transition and Thermal Stability in Squaric Acid (H₂C₄O₄) / LEE Kwang-Sei(Inje University, Department of Nano Systems Engineering), KWEON Jin Jung(Korea University, Department of Physics and Institute for Nano Science), OH In-Hwan(Korea Atomic Energy Research Institute, Korea Neutron Science Division), LEE Cheol Eui(Korea University, Department of Physics and Institute for Nano Science)

Dp-I-044

Investigation of DC Conductivity in BaO-B₂O₃-V₂O₅ Glasses / 김영훈, 강재필, 노태호, 서용문, 최덕, 송승기(명지대)

Dp-I-045*

Magnetic Phase Transitions in Magnetoelectric Y-type Hexaferrite Ba_{0.5}Sr_{1.5}Zn₂(Fe_{1-x}Al_x)O₂₂ / CHANG Hun, LEE Hak Bong, SONG Young-Sang, CHUNG Jae-Ho(Korea University), CHUN Sae Hwan, CHAI Yi Sheng, KIM Kee Hoon(Seoul National University), REEHUIS Manfred(Helmholtz Zentrum Berlin), SCHEFFER Juerg(Paul Scherrer Institute), KIM Shin-Ae, OH In-Hwan(Korea Atomic Energy Research Institute)

Dp-I-046

Ferroelectric D-E Hystereses of Ba_{1-x}Eu_xTiO₃ ceramics / 전병익, 이종림, 손성민, 권기연(KAIST부설), 최병춘(부경대), 김동진(부산대)

Dp-I-047*

Effects of Spin-orbit Interaction on the Fermi-surface Nesting in Iron-based Superconductors / OH Hyungju, SHIN Donghan, CHOI Hyoung Joon(Department of Physics and IPAP, Yonsei University)

Dp-I-048

Two notch가 삽입된 Py/Nb/Py 삼층막에서 자기저항의 전류 의존성 / 황

태종, 김동호(영남대)

Dp-I-049

Tight-binding Wannier function analysis of AFeAs (A=Li, Na) /
JANG Doo-Hoon(Department of Applied Physics, Graduate School, Korea University), LEE Kwan-Woo(Department of Display and Semiconductor Physics, Korea University)

Dp-I-050

(Ru,Cu)(Sr,Ba,R)₂(R,Ce)₂Cu₂O₂ (R = Eu, Nd)계의 구조 및 자기적 특성 연구 / 이호근, 이보훈(강원대 물리학과), 김용일(한국표준과학연구원)

Dp-I-051

Upper critical fields of P-substituted at As-site of EuFe₂As₂ and Undoped Sr₂VO₃FeAs / EOM Man Jin, NA Sewoong(Department of Physics, POSTECH), JO Younjung(Department of Physics, Ehwa Womans University), WOLFF-FABRIS Frederik(Dresden High Magnetic Field Laboratory Forschungszentrum Dresden-Rossendorf, Germany), PARK Jae-Hyun, LEE Hu-Jong, KIM Jung Sung(Department of Physics, POSTECH)

Dp-I-052

Eliashberg calculation of the momentum-resolved spectral function for the cuprate superconductors induced by the spin fluctuations / HONG Seung Hwan, CHOI Han-Yong(Department of Physics, SungKyunKwan University)

Dp-I-053*

The effect of van der Waals force in FeSe superconductor / 김희정(포항공대, 물리학과), 심지훈(포항공대, 화학과), 민병일(포항공대, 물리학과)

Dp-I-054

Distribution Analysis of Local Current Density in YBCO Coated Conductors using Low-temperature Scanning Laser and Hall Probe Microscopy / PARK Sang Kook, CHO Bo Ram, PARK Hee Yeon, RI Hyeong-Cheol(Department of Physics, Kyungpook National University)

Dp-I-055*

The effect of water treatments on the superconducting properties of MgB₂ materials / 임지천, 서경미, 강석일, 송규정(전북대), 고락길, 오상수(한국전기연구원, 초전도연구센터)

Dp-I-056*

Electrical characterization of Nano SQUID fabricated in multilayered thin film of Y123/P123 / SAINI Shrikant(Department of Mechanical Engineering, Jeju National University), TAKAMURA M, MUKAIDA

M(Department of Material Science and Engineering, Faculty of Engineering, Kyushu University), KIM Sang -Jae(Department of Mechatronics Engineering, Jeju National University)

Dp-I-057

Analysis of Flux pinning properties in $K_xFe_2Se_2$ high T_c superconductor / AHMAD Dawood, PARK In Suk, KIM G C(Department of Physics, Pusan National University), KO Rock-Kil(Korea Electrotechnology Research Institute), KIM Y C(Department of Physics, Pusan National University)

Dp-I-058*

First-principles Study of Orbital Characters in Electronic and Magnetic Properties of Iron Arsenides AFe_2As_2 ($A=Ca, Eu, Sr, Ba$) / SHIN Donghan, OH Hyungju, CHOI Hyoung Joon(Department of Physics and IPAP, Yonsei University)

Dp-I-059

Measurement using Scanning Hall Probe Microscopy and study of current distribution using inversion problem technique / CHO BORAM, PARK SANGKOOK, PARK HEEYEON, RI Hyeong-Cheol(Kyungpook National University)

Dp-I-060

Superconducting gap structures of $Ba(Fe_{0.9}Co_{0.1})_2As_2$ and $LiFeAs$ from specific heat analysis / JANG Dongjin(Department of Physics, Sungkyunkwan University), VORONTSOV A B, VEKHTER I(Department of Physics, Montana State University, USA), GOFRYK K(Los Alamos National Laboratory, USA), YANG Z, JU S, HONG J B, HAN J H, KWON Y S(Department of Physics, Sungkyunkwan University), RONNING F, THOMPSON J D(Los Alamos National Laboratory), PARK T(Department of Physics, Sungkyunkwan University)

Dp-I-061

Angle Resolved Photoemission Spectroscopy study on Correlation between enhanced Oxygen Reduction Reaction activity and transition metals in Pt_3TM (111) ($TM=Ni, Co, Fe$) / 김용수, BOSTWICK Aaron, ROTENBERG Eli, WALTER A., CHANG Y. J.(Advanced Light Source, Lawrence Berkeley Natl. Lab., USA), ROSS Phillip N.(Materials and Molecular Research Division, Lawrence Berkeley Natl. Lab., USA), STAMENKOVIC Vojislav R., MARKOVIC Nednad M.(Materials Science Division, Argonne Natl. Lab., USA), HONG S. C.(Department of Physics, University of Ulsan), MUN Bongjin Simon(Department of Applied Physics, Hanyang Univ.)

2011년 4월 13일 수요일 15:15 - 17:15

장소: 포스터 발표장

Ep-I-001*

Aluminate 계열의 UV용 형광체 $\text{Ca}_3\text{Al}_2\text{O}_6 : \text{Ce}^{3+}, \text{Mn}^{2+}$ 의 광학적 특성 /
박윤형, 조준, 전유승, 유지수, 최진철(연세대), 김종수(부경대)

Ep-I-002

VUV-UV Spectroscopy of Eu^{3+} Ions doped in $\text{Na}_3\text{Gd}(\text{PO}_4)_3$ and $\text{LiGd}_9(\text{SiO}_4)_6\text{O}_2$ / JEON Byeongcheon, SEO Hyojin(부경대)

Ep-I-003

Improved Crystallinity and Photoluminescence Characteristics of $\text{YPO}_4:\text{Eu}$ Phosphors by Li/Al Doping / SHIN Pyeong Ji, LEE Dong Gi, YI Soung Soo(Silla University, Department of Electronic Materials Engineering), JEONG Jung Hyun(Pukyong National University, Department of Physics), JANG Kiwan, LEE Ho Sueb(Changwon National University, Department of Physics)

Ep-I-004

Czochralski Growth and Scintillation Properties of Bismuth Germanium Silicon Oxide(BGSO) Single Crystal / JING hua, KIM H. J., PARK H.(Kyungpook National University, Dep. of Physics), KIM sunghwan (Dep. of Radiological Science, Cheongju University), GUL rooh(Dep. of Physics, Abdul Wali Khan University), CHEON jongkyu(Dep. of Radiation, Sorabol College)

Ep-I-005

Li 첨가에 의한 $\text{YVO}_4: \text{Eu}^{3+}$ 형광체 분말의 결정성 및 형광특성 변화 연구 / 이성수, 이동기, 신평지(신라대), 정중현(부경대), 장기완, 이호섭(창원대)

Ep-I-006*

Hydrazine Reduction Effect of Monolayer Graphene Oxide / 김은호, 한승현, 이희조, 유재석, 엄종화, 신구, 정종완(세종대)

Ep-I-007

그래핀에 의한 유기전계효과트랜지스터(OFET)의 전기적 특성 변화 / 최진우(세종대)

Ep-I-008

Effect of Mo or Nb addition for Co-Fe-B-Si system on magnetic and thermal properties of Co-Fe based metallic glass / JO Hyein, YIM Haein(숙명여대)

Ep-I-009*

Gd_{2-x}Zr₂O₇:Tb³⁺_x 형광체 합성과 광학 특성 / 조신호, 이준(신라대)

Ep-I-010

Single Crystal Growth of P-Type PbTe by Czochralski Method and its Characterization / FAWAD ullah, JIANG hua, KIM H. J., PARK H.

(Dep. of Physics, Kyungpook National University), KIM sunghwan(Dep. of Radiological Science, Cheongju University), GUL rooh(Dep. of Physics, Abdul Wali Khan University)

Ep-I-011*

Negative Thermal Expansion Behavior in ZSM-5 Zeolite Crystals /

PARK Hyun-jun, CHA Wonsuk, SONG SangHoon(Sogang University, Department of Physics), TUNG Pham Cao Thanh, YOON KyungByung(Sogang University, Department of Chemistry), KIM Hyunjung(Sogang University, Department of Physics)

Ep-I-012*

Synthesis and Field Emission Properties of Strain Controlled ZnO Nanowire Arrays via a Facile Hydrothermal Technique / YAN

Changzeng(Department of Physics, Department of Energy Science, Institute of Basic Sciences, SKKU Advanced Institute of Nanotechnology, Sungkyunkwan University), RAGHAVAN CM(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University), PATOLE Shasshhikant P., 유지범, 강대준(School of Advanced Materials Science and Engineering, SKKU Advanced Institute of Nanotechnology, Sungkyunkwan University)

Ep-I-013

활성체 Tb³⁺의 농도에 따른 Gd_{1-x}VO₄:Tb³⁺_x 형광체의 발광 효과 / 조신호, 한승범(신라대)

Ep-I-014

녹색 형광체 Y_{0.90-x}Gd_xBO₃:Tb_{0.10}의 합성과 특성 / 조신호, 박귀조(신라대)

Ep-I-015*

Synthesis of Vertical Niobium Pentoxide Nanowires via Etching Process for Optical Devices / LIU Jingling, SHAKIR Imran, ALI Zahid,

SHAHID Muhammad, 강대준(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

Ep-I-016*

Indium 조성이 높은 InGaN 박막의 조성변조 현상에 관한 연구 / 정명호,

이정용(KAIST), 이효성, 한석규, 신은정, 임동석, 홍순구(충남대), TAKAFUMI

Yao(Tohoku Univ.)

Ep-I-017

아르곤(Ar) 플라즈마를 이용한 그래핀과 금속의 접착성 향상 연구 / 권태수, 안효섭, 정종완(세종대)

Ep-I-018*

Fabrication of Diameter Modulated Nanotubes by Using Galvanic Displacement of Metallic Nanowires / 서호영(충남대), 정현성, 명노상(University of California Riverside, Department of Chemical and Environmental Engineering), 홍기민(충남대)

Ep-I-019*

전자빔 조사선량에 따른 비정질 V_2O_5 박막의 특성 변화 / 추민우, 강만일, 김석원(울산대)

Ep-I-020

Carrier Transport across Polar-Nonpolar Interfaces / 최택집(세종대), LEE Ho Nyung(Oak Ridge National Laboratory)

Ep-I-021

Field Emission Properties of Single Crystalline Copper Vanadate Nanowires / SHAHID Muhammad, SHAKIR Imran, 양형우, 강대준(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

Ep-I-022*

Model Independent Analysis Method of Ultra-thin Film Thickness in X-ray Reflectivity Measurement / 이기봉, 황상윤, 조병관, 박용준(포항공대)

Ep-I-023*

Shape Controlled Synthesis and Photocatalytic Property of Elemental Te Nanowires Via a Facile Hydrothermal Method / YAN Changzeng(Department of Physics, Department of Energy Science, Institute of Basic Sciences, SKKU Advanced Institute of Nanotechnology, Sungkyunkwan University), RAGHAVAN CM, SHAKIR Imran, 강대준(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

Ep-I-024

The organic solvent vapor and liquid phases sensor based on thin distributed Bragg reflectors Porous silicon / CHENG Horchhong, 김영유, 김한중, 이기원(Kongju National University)

Ep-I-025

루비듐 오실레이터의 안정도 향상을 위한 Physics package의 온도 최적값

에 대한 연구 / 이태동(금오공대), 조규필(에이알텍), 박상현, 박한솔, 김윤희, 김지연, 문진성(금오공대)

Ep-I-026

Post annealing effect of each layer of the organic light-emitting diodes on the surface roughness / 최설아, 이한주, 유형근, 윤영운, 김경철, 최윤정, 이기진(서강대)

Ep-I-027*

Forming Mechanisms of Conducting Filaments in Resistance Switching / 이신범, 장서형, 유형근, 윤문지(서울대), 강보수(한양대), 노태원(서울대)

Ep-I-028*

은(Ag) 기반의 투명 금속 박막을 전극에 적용한 플렉시블 유기 발광 소자의 제작 / 조성윤, 임종혁, 이순일(아주대)

Ep-I-029

Self-Resonance Frequency of Interdigital Capacitors Coupled with Single-Layer Graphene / LEE Hee-Jo(Graphene Research Institute), KIM Eunho(Institute of Nano and Advanced Materials Engineering), JUNG Jongwan(Graphene Research Institute and Institute of Nano and Advanced Materials Engineering, Sejong University)

Ep-I-030

스퍼터링과 후셀렌화를 통한 CIGS 박막제조 및 태양전지 응용 / 박세준, 김준호(인천대)

Ep-I-031

MOD 방식으로 제조된 Bi-YIG 박막 및 파우더의 자기적 특성 / 이한주, 유형근, 윤영운, 최설아, 최윤정, 김경철, 이기진(서강대)

Ep-I-032

Extraction and Physical Interpretation of Transmission Line Parameters of Single-Layer Graphene / LEE Hee-Jo(Graphene Research Institute), KIM Eunho(Institute of Nano and Advanced Materials Engineering), JUNG Jongwan(Graphene Research Institute and Institute of Nano and Advanced Materials Engineering, Sejong University)

Ep-I-033

Loss Characteristics of Nitric Acid (HNO₃) Doped Single-Layer Graphene at Microwave Frequencies / LEE Hee-Jo(Graphene Research Institute), KIM Eunho(Institute of Nano and Advanced Materials Engineering), JUNG Jongwan(Graphene Research Institute and Institute of Nano and Advanced Materials Engineering, Sejong University)

Ep-I-034

PLD 기법으로 제작한 WO₃ 박막 Gas Sensor의 Optical Transmission 특성 / 장은혜, 박정현, 박성익, 오철민, 강준희(인천대)

Ep-I-035

Photovoltaic Effect and Polarization-Modulated Conduction in Multiferroics / 최택집(세종대), 이성수(한국원자력연구원, 중성자과학연구부), CHEONG Sang-wook(Department of Physics, Rutgers University)

Ep-I-036

Room Temperature Waveguide Mode Evaluation of the Semiconductor Quantum Well Laser by the Point Excitation Hakki-Paoli Method /

KIM changsu, MOCHIZUKI Toshimitsu, YOSHITA Masahiro, CHEN Shaoqiang, AKIYAMA Hidefumi(The University of Tokyo, The Institute for Solid State Physics (ISSP)), PFEIFFER Loren N., WEST Ken W.(Princeton University, Department of Electrical Engineering)

Ep-I-037

Photocurrent of Copper Phthalocyanine thin films with phase transition induced substrate heat treatment / 김경철, 윤영운, 이한주, 최설아, 최윤정, 유형근, 이기진(서강대)

Ep-I-038

Voltage-pulse-induced switching characteristics in out-of-plane VO₂ device /

SEO Giwan, SHIN Jun-Hwan(ETRI, University of Science and Technology), KIM Bong-Jun(ETRI), LEE Yong Wook(ETRI, Pukyong National University), KO Changhyun, RAMANATHAN Shiriram(Harvard University), KIM Hyun-Tak(ETRI, University of Science and Technology)

Ep-I-039*

A Study of Resistive Switching Behavior of Mn Doped ZnO Thin Films Deposited by PLD / 남윤승, 윤인성, 전지훈, 오광택, 홍사환, 황인록, 김진수, 박배호(건국대)

Ep-I-040

Raman spectroscopy에 의한 Copper(II) Phthalocyanine 유기화합물의 성장 특성에 관한 연구 / 김현숙(군산대), 강상백(우성진공), 김미정((주)리뉴-에너지), 채영안, 윤성현, 유수창, 차덕준(군산대)

Ep-I-041

Rubrene heteroepitaxial growth on the tetracene buffer layer / 최윤정, 윤영운, 이한주, 유형근, 김경철, 최설아, 이기진(서강대)

Ep-I-042

Study of multipurpose beta probe using silicon multiflier / JEON Sang June, PARK JIn Hun, MOON Hye Jin, JOO Koan Sik(명지대)

Ep-I-043

Highly Efficient Organic Light-Emitting Diode And Electric Measurement / 이제현, 전평은, 이현복, 박수형, 신동근, 정광호, 이연진(연세대)

Ep-I-044

Rat Magnetocardiograms measured by YBCO SQUID Magnetometers / AHN San, SONG Jong Hyun(Department of Physics, Chungnam National University), KIM In Sun(Korea Research Institute of Standards and Science)

Ep-I-045

Isotype Hetero epitaxial growth of P-type Organic Thin Films for Organic Thin Film Transistor / 윤영운, 이한주, 유형근, 김경철, 최설아, 최윤정, 이기진(서강대)

Ep-I-046

수중 통신을 위한 초음파 송수신 시스템 설계 및 제작 / 박한영(인천대), 조장호, 전일태, 김진영(아이.에이치.에스), 강준희(인천대)

Ep-I-047

비진공 스프레이 기반 CIGS 태양전지 제조 / 김성연, 김준호(인천대)

Ep-I-048

대면적 시료 측정을 위한 전자광학계 설계 / 김영철(을지대), 김동섭, 김호섭(선문대)

2011년 4월 13일 수요일 15:15 - 17:15

장소: 포스터 발표장

Ip-I-001*

피사체 크기와 상태를 측정하기 위한 원거리 육안검사 장치개발 / 정주호, 김형빈, 김석원(울산대), 하양(울산과학기술대, 전기전자학부)

Ip-I-002

레이저 펄스의 세기 대조비에 따른 상대론적인 고차조화파 발생 특성 / 김이중, 김형택, 김철민, 성재희, 이성구, 윤진우, 유태준, 정태문, 최일우(광주과학기술원 고등광기술연구소), 윤혁, 윤상재, 남창희(한국과학기술원 물리학과), 이종민(광주과학기술원 고등광기술연구소)

Ip-I-003

LED 광원을 이용한 고집광 줌 Flash 설계 및 특성 평가 / 김재범, 한재광, 임은태, 전성란, 천우영, 김진홍(한국광기술원, LED 융합연구센터)

Ip-I-004

펄스 레이저를 이용하여 실리카 내부에 가공된 미세 회절격자 특성 분석 연구 / 최훈국, 김진태(조선대), 손익부(광주과학기술원, 고등광기술연구소)

Ip-I-005

개선했던 위상 추출 알고리즘과 SLM으로 구현된 키노폼 특성 연구 / IEZHOV Pavlo(Institute of Applied Optics, Coherent and Quantum Optics), KUZMENKO Alexander(Institute of Applied Optics, Quantum Optics), 김진태(조선대)

Ip-I-006

반고전적 모델을 이용한 자발방출증폭의 파동적 특성 연구: 엑스선 레이저 / 김철민, JANULEWICZ Karol, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-007

Development of x-ray holography technique for high-resolution nano imaging / 김형택, 김철민, 김이중(광주과학기술원, 고등광기술연구소), 윤혁(한국과학기술원, 물리학과), 성재희, 유태준, 이성구(광주과학기술원, 고등광기술연구소), 전상철, 안치원(한국과학기술원, 나노종합플랫폼센터), 정태문, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-008

Development of table-top x-ray lasers using 10-Hz Ti:Sapphire laser system / 김형택, 김철민, 김이중, 최일우, 성재희, 유태준, 이성구, 정태문, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-009*

Investigation On Spatial Coherence Of GRIP X-ray Laser / 윤혁(한국과학기술원, 물리학과), 김형택, 김철민, 김이중, 최일우, JANULEWICZ K. A., 성재희, 유태준, 이성구, 정태문, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-010*

Beam Pointing Stabilization of Femtosecond Laser Pulses for the Measurement of Highly Nonlinear Processes / 이지수, 고동혁, 남창희(한국과학기술원, 물리학과)

Ip-I-011*

Investigation of reconstructed phase map with varying the specified beam quality of the undulator x-ray source at PLS and Spring-8 / HAMH Sunyoung(광주과학기술원, 광공학응용물리학과), KIM Sunam, KIM Chan, KIM Yoonhee, MARATHE Shashidharha, NOH Do Young(광주과학기술원, 신소재공학부)

Ip-I-012*

Quantitative analysis of gold nanoparticles in tumor of mouse by x-ray fluorescence imaging system / KIM Yoonhee, KIM Chan, KIM Jayoung, CHOI Wonil, TAE Giyoung, NOH Do Young(School of Materials Science and Technology, GIST)

Ip-I-013

Suty of Laser Repair of Printed Circuit Board by using UV Laser with Nanosecond Pulse Width / 류광현, 신석훈, 박형찬, 황태상(에이에스 티젯텍)

Ip-I-014

배열형 검출기 탑재식 분광복사계의 분광 떠돌이광 평가 / 박성종, 이동훈(한국표준과학연구원, 기반표준본부), 장대진, 조금재(주식회사 미래산업)

Ip-I-015

1-kHz 0.4-TW Femtosecond Ti:sapphire Laser / 성재희, 유태준, 이종민(광주과학기술원 고등광기술연구소)

Ip-I-016

Temporal Contrast Enhancement in a 100-TW Ti:sapphire Laser / 성재희, 이성구, 유태준, 정태문, 이종민(광주과학기술원 고등광기술연구소)

Ip-I-017

A Simulation Comparison of Multilayer Coatings for High Laser Damage Threshold Mirror Design / 정지훈, 유태준, 정태문, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-018

재생 증폭기에서 대조비 제어 방법 연구 / 유태준, 이성구, 성재희, 정태문, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-019

ASE와 혼합된 CPA 레이저 스펙트럼 분리 측정 방법 연구 / 유태준, 성재희, 이성구, 정태문, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-020

Broadband, High Gain OPCPA for the Front-end of a Femtosecond High Power Ti:sapphire Laser System / 윤진우, 이성구, 유태준, 성재희, 정태문, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-021

Proposal of the Temporal Contrast Enhancement Technique of the OPCPA System using Pump Pulse Shaping / 윤진우, 이성구, 유태준, 성재희, 정태문, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-023

다이오드 레이저 뒷면 여기 연속 발진 CTH:YAG 레이저 / 이창원, 유태준, 이성구, 성재희, 정태문, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-024

Sub-nanosecond Contrast-ratio Measurement of a 100-TW Ti:Sapphire Laser by Using an Fast Photodiode and Oscilloscope / 양정문, 이성구, 유태준, 성재희, 윤진우, 정태문, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-025

Characteristics of Nd:glass Pump Lasers for an Ultrafast 2-PW Ti:sapphire Laser / 이성구, 성재희, 유태준, 윤진우, 이창원, 정태문, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-026

TFT-LCD용 Flexible 도광판 패턴 설계 / 김영철(울지대), 오태식, 이용민(선문대)

Ip-I-080

눈모델을 이용한 망원경 설계 및 제작 / 윤창준, 이선규, 표효진(삼성탈레스), 채종묵(국방기술품질원)

Ip-I-027

Beam-pointing Stabilization of High-repetition-rate High-power Ti:sapphire Laser / 이종민, 성재희, 정태문, 이종민(광주과학기술원, 고등광기술연구소)

Ip-I-028*

레이저 열전사법에서 레이저 조사시간에 따른 공여기판의 표면 변화 분석 / 이종훈, 이시진, 이광원, 배상윤, 이강인(영남대)

Ip-I-029*

레이저를 이용한 유기물 증기의 발생과 증기의 전파 / 이종훈, 배상윤, 이광원, 이시진, 이강인(영남대)

Ip-I-030

튜브와 광섬유 테이퍼링 기술을 이용한 수동형 레이저 빔 결함 소자의 제작 / 정윤섭, 오경환(연세대 물리학과)

Ip-I-031

단일 광자 아발란치 포토다이오드의 미약한 아발란치 검출 방법 / 조석범 (한국전자통신연구원, 노태곤(경성대))

Ip-I-032*

Diffusion Engineered InAs for directional control of THz waves / JHO Young Dahl, YIM Jonghyuk(광주과학기술원), SONG Jin Dong(KIST)

Ip-I-033

Fly eye lens를 이용한 가우스 광속의 균일화 / 조재홍, 김동경(한남대)

Ip-I-034*

마이크로 플라즈마를 이용한 중공광섬유 내 주기적인 구조의 형성 / 하우성, 정윤섭, 오경환(연세대)

Ip-I-035

Graphene Oxide 농도에 따른 TiO_2 박막의 광활성 특성 / 김순욱, 황성돈, NGUYEN tri khoa, 강영비, 성승기, 유대환, 김의정, 한성홍(울산대)

Ip-I-036

비선형 편광 회전 기반 다파장 스위칭 가능 어븀 첨가 광섬유 고리형 레이저에 관한 연구 / 한영근, 심영보, 김륜경(한양대)

Ip-I-037

외부 굴절률과 온도를 동시 측정 가능한 Hybrid Sagnac 간섭계 / 한영근, 권오장, 심영보(한양대)

Ip-I-038*

Cryogenic 온도에서 dynamic strain 측정 기술 개발 / 한영근, 윤민석, 박상오(한양대)

Ip-I-039*

**Simultaneous Measurement of Ambient Index and Temperature
Using Surface Long Period Gratings and Fiber Bragg Gratings /**

HAN YOUNG-GEUN, KIM HYUN-JOO, JUN NA-RAM(Department of Physics,
Hanyang University)

2011년 4월 13일 수요일 15:15 - 17:15

장소: 포스터 발표장

Kp-I-001

Characterization of AlN films grown by plasma-assisted molecular-beam epitaxy / 이효성, 한석규, 임동석, 신은정, 홍순구(충남대), 정명호, 이정용(KAIST 신소재공학과), YAO Takafumi(Tohoku University Center for Interdisciplinary Research)

Kp-I-002

Morphological Analysis of Nonpolar GaN Domains in Nonequilibrium Shape / 서연우, 김진교(경희대)

Kp-I-003

InGaAs 흡수층의 V/III 족 성장비율에 따른 도핑농도 및 APD의 누설전류의 변화 / 김호진, 유소영, 오시덕(한국광기술원 광에너지 연구센터)

Kp-I-004

피라미드 꼭지점 위의 금속촉매를 이용한 GaN 선택 성장 / 양민, 조동완, 옥진은, 윤위일, 전현수, 이강석, 배선민, 정세교, 안형수(한국해양대), 이영철(한국생산기술연구원)

Kp-I-005*

다공성 n-GaN의 고온 재생장법을 이용한 열적 리프트오프 / 강진호, 명기환, 류상완(전남대)

Kp-I-006*

Growth of Two-Dimensional GaN Films on C-plane Sapphire Substrates by Plasma-Assisted Molecular Beam Epitaxy / 신은정, 임동석, 한석규, 이효성, 홍순구(충남대), 정명호(KAIST 신소재공학과), TAKAFUMI Yao(Tohoku University Center for Interdisciplinary Research)

Kp-I-007*

효율적인 특성분석을 위한 Broad Area Laser Diode 구조 비교 / 유수경, 이종민, 최장희, 이동한(충남대), 한원석(한국전자정보통신원 차세대 LED연구팀)

Kp-I-008

Effect of V/III ratio on the Growth of a-plane GaN Film / 신동규, 김진교(경희대)

Kp-I-009

In(0.17)Ga(0.83)N/Al(0.04)In(y)Ga(0.96-y)N 다층 양자 우물 발광 다이오

드에서 In(y) 조성에 따른 광학적 특성 연구 / 박병권, 노영균, 최효석, 김문덕(충남대), 오재웅(한양대), 김송강(중부대)

Kp-I-010*

Raman mapping of laterally overgrown Si-doped GaN / 김한울, 노희석, 주진우, 이인환(전북대)

Kp-I-011

InGaN Growth on c-plane Sapphire Substrates by Using Hydride Vapor Phase Epitaxy / 오소영, 김진교(경희대 물리학과)

Kp-I-012

PdZn를 이용한 p-GaN 홀농도 증가를 통한 LED 효율 향상 / 김자연(한국광기술원), 박종락, 김현수(조선대 광기술공학과), 박성주(광주과학기술원, 신소재공학과), 백종협(한국광기술원), 권민기(조선대 광기술공학과)

Kp-I-013

Effect of GaN Nanostructure Morphology on the Reflectance of GaN/Si Template / 박현규, 김진교(경희대)

Kp-I-014

GaN를 기반으로 하는 청색발광다이오드의 누설전류에 대한 연구 / 전승기, 노영균, 이상태, 박병권(충남대), 오재웅(한양대), 김송강(중부대)

Kp-I-015*

이온 집속 빔을 이용한 단일 양자점의 미세 메사 구조의 제작 및 광학적 특성 평가 / 전봉환, NGUYEN D. Hung, 이종민, 백종서, 이동한(충남대)

Kp-I-016

백색 발광다이오드의 색온도에 따른 GaAs 태양전지의 효율 측정 및 분석 / 류한열, 김대환(인하대)

Kp-I-017

Investigation of Si doped a-plane GaN with different SiH₄ flow rate / SONG Keun-Man(Korea Advanced Nano Fab Center), KIM Hogyoung (Hanbat National University), KIM Jong-Min, KIM Chang Zoo(Korea Advanced Nano Fab Center)

Kp-I-018*

성장 방법에 따른 GaN nanorod의 Photoluminescence 연구 / 최효석, 이상태, 박병권, 한서희, 전승기, 김문덕(충남대 물리학과), 오재웅(한양대 전기전자)

Kp-I-019*

SiO₂/TiO₂ 반사방지막 구조에 따른 고효율 태양전지 표면반사율의 변화 / 유소영(한국광기술원), 오시덕, 정행윤, 기현철(한국광기술원 광에너지연구센터),

류상완(전남대), 김효진(한국광기술원 광에너지연구센터)

Kp-I-020*

A comparison study for the estimation of internal quantum efficiency in nonpolar light emitting structure / SONG Hooyoung, SUH Jooyoung, KIM Eun Kyu(Quantum-Function Research Laboratory and Department of Physics, Hanyang University), BAIK Kwang Hyeon, HWANG Sung-Min(Optoelectronics Laboratory, Korea Electronics Technology Institute)

Kp-I-021

T-shaped GaAs/AlGaAs Single Quantum Wire Laser by Arm-arm Current-Injection / KIM Changsu(The University of Tokyo, The Institute for Solid State Physics (ISSP)), OKANO Makoto(Kyoto University, The Institute for Chemical Research), MOCHIZUKI Toshimitsu, YOSHITA Masahiro, CHEN Shaoqiang, AKIYAMA Hidefumi(The University of Tokyo, The Institute for Solid State Physics (ISSP)), PFEIFFER Loren N., WEST Ken W.(Princeton University, Department of Electrical Engineering)

Kp-I-022*

에피택시 기반의 GaN 나노결정 제작 / 송윤미, 명기환, 박준모, 류상완(전남대)

Kp-I-023*

Growth and Characterization of Submonolayer InAs/GaAs Quantum Dots / 김영호, 김성준, 노삼규(과학기술연합대학원대), 이상준, 이동훈(한국표준과학연구원 나노소재평가센터), 한임식, 김종수(영남대), 김진수(전북대)

Kp-I-024

Influence of crystal polarity on temperature dependent electrical properties of Au/Pt/GaN Schottky diodes / RAO Peta Koteswara, 박병권, 이상태, 김문덕(충남대), 오재응(한양대), 김송강(중부대)

Kp-I-025

AgAl 합금 형태의 반사전극을 통한 LED 휘도 향상 / 김자연(한국광기술원), 최판주, 오승중, 최유민, 배호준, 박종락, 김현수(조선대 광기술공학과), 박성주(광주과학기술원, 신소재공학과), 백종협(한국광기술원), 권민기(조선대 광기술공학과)

Kp-I-026

Crystallographic Analysis of InN Nanostructures / 정인희, 이상화, 박현규, 신동규, 주미연, 김진교(경희대)

Kp-I-027

In_{0.4}Al_{0.6}As 버퍼층 성장온도에 따른 In_{0.5}Ga_{0.5}As의 광학적 특성 / 최윤희, 류미애(강원대), 임주영, 신상훈, 김수연, 송진동(한국과학기술연구원 나노과학연

Kp-I-028

Growth of catalyst-free GaAs nanowires on Si(111) by MBE / 박동우(한국표준과학연구원), 김광무, 김영현, 노삼규, 이상준(한국표준과학연구원 나노소재평가센터), 김진수(전북대), 하재두, 김중수(영남대)

Kp-I-029*

Photoreflectance를 이용한 InAs 양자점 태양전지의 표면 전기장 특성 평가 / 한임식, 이상조, 손창원, 하재두, 김중수(영남대), 김영호, 김성준, 이상준, 노삼규(한국표준과학연구원 나노소재평가센터), 박동우, 김진수(전북대), 임재영(인제대), 변지수(경북대)

Kp-I-030

Post-Annealing Effect of low-temperature grown InGaAs / 박동우(한국표준과학연구원), 노삼규, 이상준(한국표준과학연구원 나노소재평가센터), 김진수(전북대), 박경현, 고현성(한국전자통신연구원 광무선융합부품연구실)

Kp-I-031

Morphological Evolution of GaN Nano Pyramids on c-plane Sapphire Grown by Metal-organic Chemical Vapor Deposition / 명기환, 강진호, 류상완(전남대)

Kp-I-032

Growth and Characterization of GaN Epilayers on Si(111) Substrates by MOCVD / 임기영, 김종옥, 김대은(전북대)

Kp-I-033

Dependence of Surface Morphology of GaN Film Obtained by Merged Nanorods on Growth Temperature / 이상화, 김진교(경희대)

Kp-I-034

Device performance of InAs/GaAs quantum-dot solar cells / 김성준, 김영호, 노삼규(과학기술연합대학원대), 이상준, 이동훈(한국표준과학연구원, 나노소재평가센터), 김중수(영남대), 김진수(전북대)

Kp-I-035*

Efficiency droop measurement of a various of LED samples / YOO Yang-Seok, CHO Yong-Hoon(카이스트 물리학과)

Kp-I-036*

Ga-doped Zinc Oxide Nanoparticles/Poly(3-hexylthiophene) Blend for Inverted Organic Solar Cells / KIM Han-Sol, PARK Hye-Jeong, LEE Kang-Hyuck, SHIN Kyung-Sik, KUMAR Brijesh(Sungkyunkwan University, School of Advanced Materials Science and Engineering), KIM Sang-

Woo(Sungkyunkwan University, School of Advanced Materials Science and Engineering, SKKU Advanced Institute of Nanotechnology (SAINT) and Center for Human Interface Nanotechnology (HINT))

Kp-I-037*

플라즈마 분자선 에피택시를 이용한 산화비스무스박막과 비스무스를 첨가한 산화아연박막의 성장과 특성 연구 / 임동석, 한석규, 이효성, 신은정(충남대), 정명호, 이정용(KAIST 신소재공학과), 홍순구(충남대), TAKAFUMI Yao(Tohoku University Center for Interdisciplinary Research)

Kp-I-038

RF 마그네론 스퍼터링법에 의해 증착된 저굴절을 투명전도성 박막의 구조적, 광학적 및 전기적 특성 분석 / 임정우(경희대), 정관수(동국대), 유재수(경희대)

Kp-I-039*

Photoluminescence Studies of ZnO Nanowires Grown by Vapor Phase Transport / 김소아람, 조민영, 남기웅, 김민수, 임광국(인제대), 김진수(전북대), 김종수(영남대), 이주인(한국표준과학연구원 첨단장비기술센터), 임재영(인제대)

Kp-I-040*

GOI (Germanium on Insulator) 기판 위에서 성장시킨 Ge nanowires / 김정혁, 문소라, 윤현식, 정재훈, 김유리, 송만석, 김경호, 김용(동아대), CHOI Duk Yong, JAGADISH chennupati(The Australian National University), CHEN Zhi Gang, ZOU Jin(The University of Queensland)

Kp-I-041

CdS 단결정 박막의 결정 구조와 광학적 특성 연구 / 김대중(목원대), 빈석민(표준과학연구원, 재료측정 표준센터), 최용대(목원대), 이종원(한밭대), 윤만영(중부대), 유평렬(순천대)

Kp-I-042*

ZnTe 두께층 두께에 따른 CdTe 양자점의 구조적, 광학적 특성 / 이주형, 한원일, 유지수, 최진철(연세대), 이홍석(광주과학기술원, 고등광기술연구소)

Kp-I-043*

Improved Inverted Organic Solar Cells with Ga-doped ZnO Buffer Layer Prepared by Sol-Gel Method / PARK Hye-Jeong, LEE Kang Hyuck, SHIN Kyung-Sik, KUMAR Brijesh(Sungkyunkwan University, School of Advanced Materials Science and Engineering), KIM Sang-Woo(Sungkyunkwan University, School of Advanced Materials Science and Engineering, SKKU Advanced Institute of Nanotechnology (SAINT) and Center for Human Interface Nanotechnology (HINT))

Kp-I-044

10 MeV 전자빔 조사를 통한 [Cd²⁺ - thiol(MPA)] 복합체로부터의 양자점 수용성 합성 / 하성용, 유동선, 김일곤, 추문식, 이은성, 김곤우(창원대)

Kp-I-045*

Cd_xZn_{1-x}Te 양자우물 안에 성장한 CdTe 양자점의 광학적 특성 / 한원일, 이주형, 유지수, 최진철(연세대), 이홍석(광주과학기술원, 고등광기술연구소)

Kp-I-046*

Bi 촉매를 이용한 ZnTe 나노와이어의 성장온도와 촉매 위치에 따른 형태 학적인 변화 및 광학적 특성 /

문소라, 윤현식, 김경호, 김정혁, 정재훈, 김유리, 김용(동아대), JAGADISH Chennupati(The Australian National University), ZOU Jin, CHEN Zhigang(The University of Queensland)

Kp-I-047

RF Magnetron Sputtering으로 제작된 ZnO : Al 박막의 공정조건에 따른 특성 연구 /

정인승, 한대엽, 박효원, 장수경, 최진철, 정광호(연세대)

Kp-I-048*

열처리 온도에 따른 n-ZnO/p-GaN 접합의 특성 변화 연구 / 김득영, 정의완, 이영민, 이진용, 이초은, 심은희(동국대)

Kp-I-049*

O와 As 이온이 주입된 ZnO 박막의 전기적 및 광학적 특성 연구 / 김창오, 양승범, 오형택, 최석호(경희대 응용물리학과), K. BELAY, R. G. ELLIMAN(호주 국립대학 전자재료공학과)

Kp-I-050

상온 방사선 검출기용 CdMnTe 단결정 소재의 특성 연구 / 황영훈, 엄영호(울산대), 박효열(울산과학대, 반도체과)

Kp-I-051

무분극(a-plane) ZnO에 대한 오믹접합 연구 / 이경수, 서주영, 송후영, 김은규(한양대)

Kp-I-052*

High efficiency Inverted organic solar cells with plasmonic gold nanoparticle on Anodic Aluminum Oxide / JO Hanggochnuri, PARK Hye-Jeong, SHIN Kyung-Sik, KUMAR Brijesh(Sungkyunkwan University, School of Advanced Materials Science and Engineering,.), KIM Sang-Woo (Sungkyunkwan University, School of Advanced Materials Science and Engineering, SKKU Advanced Institute of Nanotechnology (SAINT) and Center for Human Interface Nanotechnology (HINT))

Kp-I-053

Photoluminescence studies of nonpolar a-plane ZnO films grown on a-GaN/r-Al₂O₃ by pulsed laser deposition / OH Jaewon, RYU Mee-Yi(Department of Physics, Kangwon National University), DAI J.N., CHEN C.Q.(Wuhan National Laboratory for Optoelectronics, Huazhong University of Science and Technology, China)

Kp-I-054

Transparent conducting Al-doped ZnO thin films obtained by Ultrasonic Spray Pyrolysis Deposition /

PANDEY RINA, NGUYEN HAI DONG(Department of Physics and Quantum-Functional Semiconductor Research Center (QSRC), Dongguk University), YULDASHEV Sh. U.(Quantum-Functional Semiconductor Research Center, Dongguk University), LEE DONG JIN, KANG TAE WON(Department of Physics and Quantum-Functional Semiconductor Research Center (QSRC), Dongguk University)

Kp-I-055*

Bi 촉매를 사용한 CdS/CdSe heterostructure에 관한 특성 연구 /

윤현식, 김정혁, 문소라, 정재훈, 김유리, 송만석, 김용(동아대), JAGADISH Chennupati(The Australian National University)

Kp-I-056

Effects of Annealing on Photoluminescence of ZnO Thin Films Formed by RF-Magnetron Sputtering Method / HAN Moonup, BAE MyeongWook, JANG Seunghun, HAN Dongwoo, KIM Hyunseung(University of Seoul, Department of Physics)

Kp-I-057

Comparison of the optical properties of colloidal quantum dots and quantum rods / GOSWAMI Kumar syamanta, 김태수, 오은순, KUMAR Kiran, 김익태(충남대)

Kp-I-058*

VPT 방법에 의해 성장된 ZnO 나노구조의 성장 및 광학적 특성 / 남기웅, 김소아람, 김민수, 임광국(인제대), 김진수(전북대), 김종수(영남대), 이주인(한국표준과학연구원 첨단장비기술센터), 임재영(인제대)

Kp-I-059

RF Magnetron Sputtering으로 제작된 ZnO : Al 박막의 공정조건에 photoluminescence 특성연구 /

장수경, 박효원, 한대엽, 윤성민, 남윤성, 유승희, 정인승, 정광호, 최진철, 백경선(연세대)

Kp-I-060

Structural and optical properties of Li doped ZnO thin films prepared by PLD / GUOJIE Li, SAES BYUL Kim, BYUNG CHUN Choi, JUNG HYUN Jeong(부경대)

Kp-I-061

Effects of Ga Doping on Properties of A-plane ZnO Films on R-plane Sapphire Substrates by Plasma-assisted Molecular Beam Epitaxy / HAN Seok Kyu, LEE Hyo Sung(Department of Advanced Materials Engineering, Chungnam National University), HONG Soon-Ku(Department of Advanced Materials Engineering, and Graduate School of Green Energy Technology, Chungnam National University), LIM Dong Seok(Graduate School of Green Energy Technology, Chungnam National University), YOON Nara, OH Dong-Cheol(Center for Optoelectronic Materials and Devices, Department of Defense Science and Technology, Hoseo University), AHN Byung Jun, SONG Jung-Hoon(Department of Physics, Kongju National University), YAO Takafumi(Center for Interdisciplinary Research, Tohoku University)

Kp-I-062

CVD graphene photodetector의 hysteresis 특성 연구 / 유원중, 라창호, 심전자, 이대영, 이승환(성균관대)

Kp-I-063

RF magnetron sputtering법으로 성장한 AZO 박막의 광학적 특성의 기판 온도 의존성 / 장수경, 윤성민, 정인승, 박효원, 유승희, 남윤성, 한대엽, 최진철, 정광호, 백경선(연세대)

Kp-I-064*

Charge-Generating Mode Control in High-Performance Transparent Flexible Piezoelectric Nanogenerators / PARK Hyun-Kyu, LEE Keun Young, SEO Ju-Seok, BRIJESH Kumar(Sungkyunkwan University, School of Advanced Materials Science and Engineering), CHOI Dukhyun(Kyung Hee University, Department of Mechanical Engineering), KIM Han-Ki(Kyung Hee University, Department of Advanced Materials Engineering for Information and Electronics), KIM Sang-Woo(Sungkyunkwan University, School of Advanced Materials Science and Engineering, SKKU Advanced Institute of Nanotechnology(SAINT), Center for Human Interface Nanotechnology(HINT))

Kp-I-065

Dielectric and ferroelectric properties of LiNbO₃ thin film grown on Pt/TiO₂/SiO₂/Si substrate by pulse laser deposition / 최병춘, 김샛별, Li Guojie(부경대)

2011년 4월 14일 목요일 09:00 - 11:00

장소: 포스터 발표장

Cp-II-001**Determination of kinetic parameters of TL glow peaks in quartz /**

HONG Duk-Geun(Department of Physics, Kangwon National University), KIM Ki-Bum(Cyclotron Research Institute, Kangwon National University)

Cp-II-002**Relativistic Behavior of Meson Wavefunction in a Dirac Two-Body Model /** KIM Byeongnoh, PARK Kayoung, YOON Jin-Hee(Department of Physics, Inha University)**Cp-II-003****The Epithermal Neutron Capture Measurement and Resonance Parameter Analysis of ^{161}Dy , ^{163}Dy /** CHOI H.Y, KANG Y.R, YI K.R, KIM M.J, RO T.I, YOON J.R(Dong-A Univ.), LEE M.W, KIM K.S, KIM G.N(Kyungpook Nat. Univ.), D.P Barry, M.J Rapp, D. Williams, Y. Danon(RPI)**Cp-II-004*****Semi-empirical Mass Formula and the Valence Nucleon Numbers /** 조소연, 이선아(인하대)**Cp-II-005*****Stability Monitoring of New High Momentum Muon Trigger for PHENIX Experiment at RHIC /** PARK Sanghwa(Seoul National University, for the PHENIX Collaboration), TANIDA Kiyoshi(Seoul National University)**Cp-II-006****X-ray Luminescence of Bismuth-Borate Glasses /** PARK Jeongmin, KIM H.J.(Department of Physics, Kyungpook National University), KIM Sunghwan(Department of Radiologic Technology, Cheongju University), KAEWKHAO J.(Center of Excellence in Glass Technology and Materials Science, Nakhon Pathom Rajabhat University), LIMSUNWAN P., BOONIN K.(Department of Physics, Faculty of Science and Technology, King Mongkut's University of Technology Thonburi)**Cp-II-007****Neutron total cross-sections and Resonance parameters of Dysprosium at Pohang Neutron Facility /** LEE MANWOO, KIM KYUNG SOOK, YANG SUNG CHUL, KIM GUINYUN(Department of Physics, Kyungpook National University), EUNAE KIM, BANG JEHEON(Division of Advanced Nuclear Engineering, Pohang University of Science and Technology),

CHO MOO-HYUN(Division of Advanced Nuclear Engineering and Department of Physics, Pohang University of Science and Technology), NAMKUNG WON (Pohang Accelerator Laboratory, Pohang University of Science and Technology)

Cp-II-008*

Development of Dose Measurement Detector in Particle Therapy

/ 김충, 심광숙, 이경세, 이한범, 홍병식(고려대)

Cp-II-009*

Design and Test of a Low Noise Transimpedance Amplifier for Silicon Sensors

/ 윤영빈, 하지만, 권영일(연세대)

Cp-II-010*

Modeling High Energy (I-131) Pinhole Collimator for Small Animal Gamma Camera by Monte Carlo Simulation

/ JUNG YoungJun, KIM Jong Guk(Korea Institute of Radiological & Medical Sciences)

Cp-II-011*

Silicon PIN Diode for Radiation Detection

/ 윤용선, 이준성(한국전자통신연구원), 권영일, 하지만(연세대)

Cp-II-012

Operation Voltage Adjustment of Silicon Photomultiplier by a Structural Parameter Variation

/ YUN Yong-Sun, LEE Joon Sung (Electronics and Telecommunications Research Institute), HA Jiman, KWON Young Il(Yonsei University, Department of Physics)

Cp-II-013*

The Study Of Neutral Pion Reconstruction For PHENIX FOCAL

/ 임상훈, 강주환, 권영일, 김현주, 도재현, 송명근(연세대), 심광숙, 홍병식, 주은아(고려대), 주관식, 문혜진(명지대), 한인식, 박일홍, 이직, 이혜영(이화여대), 김은주, 이순례(전북대)

Cp-II-014

Resonance Parameter Measurements and Analysis of ^{162}Dy , ^{164}Dy in the energy region from 1 eV to 1keV

/ KIM H.J, KANG Y.R, RO T.I, KWAK D.W, MOON Y.M, YOON J.R(Dong-A Univ), LEE M.W, KIM G.N(Kyungpook Nat. Univ), D.P Barry, M.J Rapp, D. Williams, Y. Danon(RPI)

Cp-II-015*

Measurement of Resonance Parameters of $^{155,156,157,158,160}\text{Gd}$ by using pulsed neutrons with energy ranges from 10 eV to 1 keV

/ KANG Yeong-Rok, RO Tae-Ik(Dong-A Univ.), LEE ManWoo, KIM Guinyun(Kyungpook Nat. Univ.), D.P Barry, M.J Rapp, D. Williams, Y. Danon (RPI)

Cp-II-016

Activation cross-sections of proton induced nuclear reactions on natural yttrium / KIM Kwangsoo, KHANDAKER M. U., KIM Kyung-Sook, LEE Manwoo(Department of Physics, Kyungpook National University), CHO Y-S, LEE Y-O(Nuclear Data Evaluation Laboratory, Korea Atomic Energy Research Institute), KIM Guinyun(Department of Physics, Kyungpook National University)

Cp-II-017

Strangeness of Parity-Violation in Quasielastic electron scattering / KIM Kyungsik(Institute of Basic Sciences, Korea Aerospace Univ.)

Cp-II-018

Development of a new nuclear data library : from ENDF to ROOT-ENDF / BAK Sang-In(SungKyunKwan Univ., DOES), HONG Seung-Woo(SungKyunKwan Univ., DOES & Dept. of Physics), PARK Tae-Sun(SungKyunKwan Univ., Dept. of Physics), KADI Yacine, TENREIRO Claudio (SungKyunKwan Univ., DOES), CARMINATI Federico(CERN), SHIN Jae-Won(SungKyunKwan Univ., Dept. of Physics), KIM Do-Yoon(SungKyunKwan Univ., DOES)

Cp-II-019

A Study of $Al_2O_3:C$ for Neutron Detection / HONG Duk-Geun (Kangwon National University, Dept. of Physics)

Cp-II-020

Testing of Detector Control System (DCS) boards for TRD with Mobile-Setup / 윤종익, 강주환, 권영일, 김범규, 김민우, 송명근, 문태봉, 김태수(연세대 물리학과)

Cp-II-021

고에너지 감마선 분포 측정용 대면적 검출기 개발과 그 특성 / 문명국, 임창휘(한국원자력연구원)

Cp-II-022*

A comparative study on the particle-identification performances of CsI(Tl) and LYSO crystals / 이승재, 이주한, 이춘식(중앙대)

Cp-II-023*

Half-lifetime measurement of the 1st excited state in ^{133}Ba by using a improved differential decay method and digital signal processing techniques / 최민준, 이주한, 이춘식(중앙대)

Cp-II-024

Measurements of timing characteristics for CTOF prototype counter with proton beams for CLAS12 at JLab / MILMAN Evgeniy,

CHEBOTARYOV Sergey, DHO hoSeog, KIM Wooyoung, KUZNETSOV Vyacheslav, NI Andrey(Kyungpook National University)

Cp-II-025*

Magnetic field Dependence of the Fine-mesh PMs for CLAS12 at JLab / DHO Hoseog, CHEBOTARYOV Sergey, KIM Wooyoung, KUZNETSOV Vyacheslav, MILMAN Evgeniy, NI Andrey(Kyungpook National University)

Cp-II-026

양성자 4 MHz Beam bunching system에 대한 특성 평가 / 김기동, 우형주, 박중헌, 최한우(한국지질자원연구원)

Cp-II-027

고속단색중성자 표준장 발생시설 구축 / 김기동, 우형주, 김준곤, 홍완, 박규준(한국지질자원연구원)

Cp-II-028*

X-ray Energy Calibration System by CsI Scintillator with ^{133}Ba Source / YANG Seongbae, TANIDA Kiyoshi(Seoul National University, Department of Physics and Astronomy), KIM Minjung, KIM Hongjoo(Kyungpook National University, Department of Physics)

Cp-II-029*

방사선원 및 중성자선원에 대한 광센서 반응 조사 / 배재범, 강국현, 김귀년, 박환배(경북대), 가동해(한국정보통신연구원)

Cp-II-030

Periscope design of KSTAR IR-TV / 오승태, 서동철(NFRI)

Cp-II-031*

Fe-55 및 Cd-109 표준선원을 이용한 MICROMEGAS 성능 시험 / KIM DoYoon, BAK Sang-In(성균관대), ANDRIAMONJE Samuel(CERN), PARK Tae-Sun, KADI Yacine, TENREIRO Claudio, HONG Seung-Woo(성균관대)

Cp-II-032*

A Study of an Ultra-High Resolution PET Scanner for Small Animals Using CdZnTe Pixel Detectors /

KIM Dohyun, MOON Hyejin, JEON Sang June, PARK Jin Hun(명지대 물리학과), VASKA Paul(Brookhaven National Laboratory, Medical Department), JOO Koan Sik(명지대 물리학과)

Cp-II-033

이동 가능한 계수, 적분형 방사선량 측정 장비 개발 /

황용석, 김홍주(경북대), 김계령, 나세진, 정명환(한국원자력연구원 양성자기반공학기술개발사업단)

Cp-II-034

Current Status of Development of SSD and its Readout System /
JOO Changwoo(Seoul Natinal Univ.), SATO susumu(JAEA), NAKAZAWA
Kazuma(Gifu Univ.), KAH Dongha(Kyungpook National Univ.)

Cp-II-035

Development of a Radiation Imaging System for Educational Purpose / NA Teresa W., HA Jang Ho, KIM Han Soo(Korea Atomic Energy Research Institute, Department of Development of Radiation Instrumentation System), LEE Rena(Ewha Womans University, Department of Radiation Oncology)

Cp-II-036

Preliminary Neutron Detection Test of a Fabricated Semiconductor Neutron Detectors for NPP application / KIM HanSoo, HA JangHo, PARK SeHwan, LEE Kyu-Hong(Korea Atomic Energy Research Institute), LEE CheolHo(Nuclear Engineering, Hanyang University)

Cp-II-037

펄스형 중성자와 지발 감마선을 이용한 우라늄 농축도 측정 연구 / 박세환, 신희성, 엄성호, 박준식, 김호동(Korea Atomic Energy Research Institute)

Cp-II-038

MCNP를 이용한 저장 풀 내의 사용후핵연료 연소도 분포 측정용 CZT 검출기 설계 / 박준식(한양대), 박세환, 신희성, 이태훈, 송대용(한국원자력연구원)

2011년 4월 14일 목요일 09:00 - 11:00

장소: 포스터 발표장

Dp-II-062

A first-principles study on magnetocrystalline anisotropy of a metastable ruthenium / ODKHUU Dorj, HONG Soon Cheol(Dept. of Physics, Univ. of Ulsan)

Dp-II-063*

저온 동시 증착 기법에 의한 FePt 박막과 FePt/Fe 이층박막 제조와 수직 자기이방성에 대한 연구 / 신지선, 강이임, 이년중, 안재영, 배유정, 김태희(이화여대), MICHEL Anny(PHYMAT, Université de Poitiers, Futuroscope-Chasseneuil 86962, France)

Dp-II-064

Electronic structure of CeB₄ : Dynamical Mean Field Theory study / 김준원(포항공대)

Dp-II-065*

E-beam 조사에 따른 니켈 페라이트의 자기적 특성 변화 / 이찬혁, 심인보, 김철성(국민대)

Dp-II-066

Depining of Domain Wall Controlled by Variation of Magnetostatic interaction / CHEONG-GU Cho, KYOUNG-WOONG Moon, SOON-GEUN Je, SUNG-MIN Ahn, SUG-BONG Cheo(Department of Physics, Seoul National University)

Dp-II-067*

Pt 표면에서 O₂ 분자 흡착반응의 밀도 범함수 이론연구 / 권오룡, 홍순철(울산대)

Dp-II-068*

Temperature dependence of magnetic anisotropy in Fe thin film grown on GaAs(001) substrate / CHOI Seonghoon, YOO taehee, KHYM s., WON jaehyuk, BYEON hye-hyeon, LEE sangyeop, LEE sanghoon(Korea University, Department of Physics), LIU X., FURDYNA J.K.(University of Notre Dame, Department of Physics)

Dp-II-069*

Magnetic Properties of Ca₃Co_{2-x}Cu_xO₆ / YANSEN Widi, LEE Bo Wha (Department of Physics, Hankuk University of Foreign Studies)

Dp-II-070

자성 Skyrmion lattice에 미치는 외부 자기장의 영향에 대한 연구 / 권희영, 오세욱, 이호성, 원창연(경희대)

Dp-II-071

Domain Wall Tension in Pt/Co/Pt Films with Perpendicular Magnetic Anisotropy / MOON Kyoung-Woong, LEE Jae-Chul, JE Soong-Geun, LEE Kang-Soo(Department of Physics, Seoul National University), SHIN Kyung-Ho(Center for Spintronics Research, Korea Institute of Science and Technology), CHOE Sug-Bong(Department of Physics, Seoul National University)

Dp-II-072

Photoinduced Spin Precession in Epitaxial MnAs Film / 이경동, 류광수, 김지완, 송현석, 정재우, 신성철(한국과학기술원, 물리학과 스핀정보물질연구단)

Dp-II-073

Crystal and magnetic structures studies of a single crystal $\text{Bi}_{0.9}\text{Ba}_{0.1}\text{Fe}_{0.9}\text{Ti}_{0.1}\text{O}_3$ / JUNG Hyunok, HONG Junki, LEE Seongsu(KAERI, Neutron Science Division)

Dp-II-074*

Epitaxial Growth and Growth Mode Control of DyFeO_3 Film and Its Magnetic Properties / PARK J. -H., KHIM T. -Y.(POSTECH, 물리학과)

Dp-II-075

First-principles theory of iron in a wide pressure and temperature range:Electronic structure and lattice vibration / KANG Chang-Jong, KIM Minjae, KIM Kyoo, MIN B. I.(Department of Physics, PCTP, Pohang University of Science and Technology)

Dp-II-076*

Magnetic properties of hydrogen included TiZrNi quasicrystals / 신희식, 김재용, 이상화, 조영수(한양대)

Dp-II-077

Magnetic Exchange Interactions of Hexagonal Manganites RMnO_3 (R = Tb, Dy, Ho, Er) Thin Films /

CHEN Xiang-Bai(Department of Applied Physics, Konkuk University), HIEN Nguyen Thi Minh(Department of Physics and Division of Nano-Sciences, Ewha Womans University), LEE D., JANG S. -Y., NOH T. W.(ReCOE & FPRD, Department of Physics and Astronomy, Seoul National University), YANG In-Sang(Department of Physics and Division of Nano-Sciences, Ewha Womans University)

Dp-II-078

Investigation of proton dynamics of ferroelectric $\text{CsH}_3(\text{SeO}_3)_2$ single crystal by ^1H NMR measurements / NDIAYE BASSIROU, KANG Kihyeok, MEAN B. J., SIM Jung Seok, KIM Ho Hyoun, KIM Sung Hoon, LEE Moohee(Department of Physics, Konkuk University), LIM Ae Ran(Department of Science Education, Jeonju University)

Dp-II-079

2차원 자성시스템에서 등방적 Dzyaloshinskii-Moriya interaction을 고려할 때 나타나는 Stripe-Bubble domain phase에 대한 연구 / 권희영, 부경미, 원창연(경희대)

Dp-II-080

Magnetic properties and unique anisotropy of 1D-Ising chain cobaltate system: $\alpha\text{-CoV}_2\text{O}_6$ / KIM Bongjae, KIM Beom Hyun, KIM Kyoo, CHOI Hong Chul, MIN B. I., PARK Sang-Yeon, JEONG Y.-H.(POSTECH, Physics), PARK B.-G., KIM J.-Y.(PAL)

Dp-II-081*

Unconventional Behavior of Spin Accumulation in a Crystalline CoFe/MgO/n-Si System: Non-monotonic Bias and Temperature Dependence, Inversion of Spin Polarization / JEON Kun-Rok(KAIST), MIN Byoung-Chul, SHIN Il-Jae(KIST), PARK Chang-Yup, LEE Hun-Sung(KAIST), JO Young-Hun(KBSI), SHIN Sung-Chul(KAIST)

Dp-II-082*

^{55}Mn Nuclear Magnetic Resonance for Mn_3O_4 /

JO Euna, SHIM Jeong Hyun, AN Kyongmo, KIM Changsoo, LEE Soonchil(KAIST, Physics)

Dp-II-083

Magnetic properties and Electronic Structure of Pt_3Ni (001), (110), and (111) Surfaces: Density Functional Study / SHARMA Bharat Kumar, KWON Oryong, HONG Soon Cheol(Department of Physics, University of Ulsan)

Dp-II-084*

Layer-by-layer Switching of Magnetization in a $(\text{GaMnAs}/\text{GaAs:Be})_{10}$ Superlattice /

이기봉, 조병관, 황상윤, 엄만진, 김준성, 장호영, 박재훈, 김재영(포항공대), 정재호, 이상훈(고려대)

Dp-II-085

GW Calculation of the Electronic Structure of Co-doped ZnO / KIM Maengsuk, PARK Chul Hong(부산대)

Dp-II-086*

Temperature Dependence of Magnetization in $Y_{1-x}Sr_xMnO_3$ / ISMAIL Agustina, RAJAGUKGUK Reni, LEE Bo Wha(Hankuk University of Foreign Studies)

Dp-II-087*

Exotic Singlet Bound States Observed In Spin Ladder-like Compound $BiCu_2PO_6$ / HWANG J. W., CHOI K.-Y.(Department of Physics, Chung-Ang University), LEMMENS P., WULFERDING D.(ICMP, TU Braunschweig), NOJIRI H.(IMR, Tohoku University), SHU G.-J., CHOU F. C.(CCMS, National Taiwan Univ.)

Dp-II-088

Magnetism of Li_xFePO_4 ($x=0, 0.5$, and 1): Ab initio study / TSEVELMAA Tumurbaatar, ODKHUU Dorj, HONG soon cheol(Dept. of Physics, Univ. of Ulsan)

Dp-II-089

Metal-Insulator Transition Triggering in $La_{0.8}Sr_{0.2}MnO_3$ Nanoparticle-Decorated Carbon Nanotubes / LEE Kyu Won, PARK Jun Kue, LEE Cheol Eui(Department of Physics and Institute for Nano Science, Korea University), GEDANKEN A.(Department of Physics, Ben-Gurion University of the Negev, Israel)

Dp-II-090*

열 처리된 $CoFeB$ 층의 결정화와 자기이방성에 대한 연구 / 김남희, 김덕호, 유천열(인하대), 최경민, 민병철, 신경호(한국과학기술연구원, 스핀트로닉스 연구팀)

Dp-II-091

Two-dimensional isotropic Dzyaloshinskii-Moriya interaction이 박막자성시스템에서 나타나는 Stripe domain phase에 미치는 영향에 대한 연구 / 권희영, 부경미, 이호성, 원창연(경희대)

Dp-II-092

Electron spin resonance study of highly-oriented pyrolytic graphite with disorder / LEE Cheol Eui, KIM Do-wan, LEE Kyu Won(Department of Physics and Institute for Nano Science, Korea University)

Dp-II-093*

Magnetic Resonance Study of Hydrogen Shallow Donors in Pristine and Al-doped ZnO / PARK Jun Kue, LEE Kyu Won, LEE Cheol Eui(Department of Physics, Korea University), NOH S. J., KIM H. S.(Department of Applied Physics, Dankook University)

Dp-II-094*

Study of Glass Behaviour in $\text{La}_{0.9}\text{Sr}_{0.1}\text{CoO}_3$ / RAJAGUKGUK Reni, LEE Bo Wha(Department of Physics, Hankuk University of Foreign Studies)

Dp-II-095

Sb가 치환된 $\text{CeTe}_{2-x}\text{Sb}_x$ 단결정의 각분해 광전자분광 연구 / 김대현, 황지훈, 이현진, 강정수(가톨릭대), 권용성(성균관대), 이한구, 김형도(포항공속기연구소)

Dp-II-096*

A Raman Scattering Study of Nearly Tetragonal BiFeO_3 Thin Films / DO S.H., CHOI K.-Y.(Department of Physics, Chung-Ang University), LEMMENS P, WULFERDING D(ICMP, TU Braunschweig), WOO C. S., LEE J. H., CHU K., YANG C.-H.(Department of Physics, KAIST)

Dp-II-097

전계 방출 전자원을 이용한 SEMPA(Scanning Electron Microscopy with Polarization Analysis) 개발 /

이상선, 배문섭, 김원동(한국표준과학연구원), 김철기(충남대), 황찬용(한국표준과학연구원)

Dp-II-098

Study on the structural properties and relaxation mechanisms in $\text{LiRb}_{1-x}(\text{NH}_4)_x\text{SO}_4$ ($x=0, 0.5$, and 1) mixed crystals by ^1H , ^7Li , and ^{87}Rb nuclear magnetic resonance / 김영찬, 임애란(전주대)

Dp-II-099*

강자성/반강자성 혼합상태 $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($x=0.55$) 단일박막에서 교환바리어스와 보자력 / 김병건, 김상우, 기상훈, 도중희(경북대)

Dp-II-100*

Crystal Structure And Magnetic Properties Of Fe-doped ZnO thin films Prepared by Pulsed Laser Deposition / JANG Ana(CNU)

Dp-II-101*

Electron Spin Resonance Study of Hydrothermal-treated Glassy Carbon / CHO HyunJin, LEE KyuWon, PARK Junkue, LEE CheolEui (Department of Physics and Institute for Nano Science, Korea University)

Dp-II-102

준강자성 TFe_2O_4 (T : 전이금속 원소) 스피넬 산화물에서의 전이금속 이온들의 원자가 및 스핀상태에 관한 연구 / 황지훈, 김대현, 이은숙, 강정수(가톨릭대), 박병규, 김재영(포항공속기연구소), 한상욱, 홍순철(울산대), 김성백(건양대), 김철성(국민대)

Dp-II-103*

나노 산화층을 포함한 Pd/Ni₈₁Fe₁₉ 이중층에서 스핀 펌핑 효과 억제 / 김덕호, 김홍현, 유천열(인하대)

Dp-II-104

Magnetic studies of chitosan-gold nanoparticles composites /
KWON Young-Wan(Department of Chemistry, Korea University), KANG Ik-Joong(Department of Chemical and Bioengineering, Kyungwon University), LEE Chang Hoon(Department of Polymer Science & Engineering, Chosun University)

Dp-II-105

Anisotropy Magnetoresistance(AMR) Effect of Two-phase magnet Co-TbN / SHIN Sowon, LEE Hana, MIN Kiljun, PARK Insung, KIM Hyungjun(Department of Advanced Materials Engineering, Sejong University), LEE Kyungil(Center for Spintronics Research, Korea Institute of Science & Technology), KIM Taewan(Department of Advanced Materials Engineering, Sejong University)

Dp-II-106

Electronic and magnetic properties of SrFe_{0.7}Mo_{0.3}O₃ thin film on SrTiO₃ (100) substrate / LEE Yong-Woo, LEE Hyo-Jin, JEONG Yoon-Hee(Department of Physics, Pohang University of Science and Technology)

Dp-II-107

나노선에서 자구벽의 확률적 거동 / 김준연, 제송근, 이재철, 김갑진(서울대), 서순애, 이장원, 조영진(삼성종합기술원), 신경호(한국과학기술연구원), 이현우(포항공대), 최석봉(서울대)

Dp-II-108*

Prediction of half-metallic antiferromagnetism in PdCrO₃ / JIN Hyo-Sun(Department of Applied Physics, Graduate School, Korea University), LEE Kwan-Woo(Department of Display and Semiconductor Physics, Korea University)

Dp-II-109

Domain Wall Velocity With Various Width On Co Nanowire / LEE Sung-Hyun, PARK Beom-Jun, SHIN Sung-Chul(Department of Physics, Korea Advanced Institute of Science and Technology)

Dp-II-110*

⁵⁷Fe를 미량 치환한 MnAs 물질의 자기냉동 연구 / 조현태, 김삼진, 김철성(국민대)

Dp-II-111

Hydrogen-bond reconstruction and phase transitions of the

proton-conducting $\text{Cs}_3\text{H}(\text{SO}_4)_2$ and $\text{Cs}_3\text{D}(\text{SO}_4)_2$ single crystals / 임애
란(전주대), 정세영(부산대), 김영찬(전주대)

Dp-II-112*

Universality Classes of Magnetic Domain Wall Motion / LEE Jae-Chul, KIM Kab-Jin(Seoul National University, Department of Physics), RYU Jisu (Pohang University of Science and Technology, Department of Physics), MOON Kyoung-Woong, YUN Sang-Jun, GIM Gi-Hong, LEE Kang-Soo(Seoul National University, Department of Physics), SHIN Kyung-Ho(Korea Institute of Science and Technology, Center for Spintronics Research), LEE Hyun-Woo(Pohang University of Science and Technology, Department of Physics), CHOE Sug-Bong (Seoul National University, Department of Physics)

2011년 4월 14일 목요일 09:00 - 11:00

장소: 포스터 발표장

Ep-II-049*

Mimicking Of Electromagnetically-induced Transparency In Planar Metamaterials Based On Two Split-ring Resonators Arranged Symmetrically / X. R. Jin, J. W. Park, H. Zheng, Y. P. Lee(Department of Physics, Hanyang University), J. Y. Rhee(Department of Physics, Sungkyunkwan University), W. H. Jang(Korea Communication Commission Radio Research Laboratory)

Ep-II-050*

Ventilating Sound Barrier Using Helmholtz Resonator / LEE Seung Hwan, PARK Jong Jin(Yonsei University, Institute of Physics and Applied Physics), PARK Choon Mahn(Anyang University, AEE Center), SEO Yong Mun(Myongji University, Dept. of Physics), KIM Chul Koo, LEE Sam Hyeon(Yonsei University, Institute of Physics and Applied Physics)

Ep-II-051*

Effects of Lattice Parameters In Highly-Symmetric Metamaterial Components / J. W. Park, X. R. Jin, Y. P. Lee(Department of Physics, Hanyang University), K. W. Kim(Department of Information Display, Sunmoon University), J. Y. Rhee(Department of Physics, Sungkyunkwan University)

Ep-II-052*

Investigation of a frequency selective surface in X-band / KIM Sung gug, KIM Kwanghoon, XUAN BINH Cao, CHOI Eunmi(울산과학기술대)

Ep-II-053*

Comparative Study Of Two Complementary Perfect Absorber Structures / H. Zheng, X. R. Jin, S. J. Lee(Department of Physics, Hanyang University), J. Y. Rhee(Department of Physics, Sungkyunkwan University), Y. P. Lee(Department of Physics, Hanyang University)

Ep-II-054

Characterization of Self-Excitation in a Si Micro-Cantilever for Precision Measurement / CHOI Heonhwa(Center for Nano- and Quantum Science, Division of Convergence Technology, KRISS, Department of Nano science, University of Science and Technology), KIM Yunwon(Center for Nano- and Quantum Science, Division of Convergence Technology, KRISS ; Department of Display and Semiconductor Physics, Korea University), CHOI Mahnsoo (Department of Physics, Korea University), CHOI Jaehyuk(Center for Nano- and Quantum Science, Division of Convergence Technology, KRISS, Department of

Ep-II-055

The properties on upconversion emission of oxyfluoride glass ceramics containing CaF_2 nanocrystals / NOH Hyeon Mi, MOON Byung Kee, CHOI Byung Chun, JEONG Jung Hyun(부경대), KIM Jung Hwan(동의대)

Ep-II-056*

The luminescence enhancement of lithium cooperation effect on the europium doped calcium tungstate / CHEN Yeqing, MOON Byung Kee, CHOI Byung Chun, JEONG Jung Hyun(부경대)

Ep-II-057

BaSO_4 열형광체의 소결온도에 의한 결정구조변화와 열형광 강도에 관한 연구 / 김성화, 김영국, 손인호, 김일홍, 우종철(경남대)

Ep-II-058

Fabrication of thin metal graphene LEDs / 박원일, 이정민, 김성빈, 박건태(한양대)

Ep-II-059

Synthesis, Structure and Photoluminescent Properties of Eu(III) doped $\text{Lu}_6\text{Mo(W)}\text{O}_{12}$: An Experimental and Theoretical Investigation / LI Huaiyong, YANG Hyun Kyoung, MOON Byung Kee, CHOI Byung Chun, JEONG Jung Hyun(부경대), JANG Kiwan, LEE Ho Sueb(창원대), YI Soung Soo(신라대)

Ep-II-060

Eu^{3+} 이온이 첨가된 $\text{Y}_3\text{Si}_3\text{O}_{10}\text{F}$ 의 선택적 레이저 여기 분광학 / 장경혁, 서효진(부경대)

Ep-II-061

Electrical characteristics of submicrometer pentacene OFET / SEO Miri(Konkuk University, Department of Physics), HO Jonathan(The University of Edinburgh, Department of Chemistry), PARK Jungho, LEE Sangwook(Konkuk University, Department of Physics), LEE Junghyun, PYO Seungmoon(Konkuk University, Department of Chemistry)

Ep-II-062

Effect of interfacial layer on device performance in bulk-heterojunction polymer solar cell / LEE Sunae(Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFncSC), Konkuk University), AN Jongdeok(Department of Chemistry & Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFncSC), Konkuk

University), PARK Hoon(Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFnSC), Konkuk University), IM Chan(Department of Chemistry & Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFnSC), Konkuk University)

Ep-II-063

Comparing of Photovoltaic Efficiencies estimated with various Light Sources / AN Jongdeok(Department of Chemistry & Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFnSC), Konkuk University), LEE Sunae, PARK Hoon, LEE Myounghee(Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFnSC), Konkuk University), IM Chan(Department of Chemistry & Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFnSC), Konkuk University), AHME Helene Franziska, WUERFEL Uli Tobias(Fraunhofer Institute for Solar Energy Systems ISE, Germany)

Ep-II-064

Investigation of large area polymer solar cells prepared by printing process / KIM Yoojin, LEE Sunae(Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFnSC), Konkuk University), AN Jongseok(Department of Chemistry & Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFnSC), Konkuk University), JEON Miseon, PARK Hoon(Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFnSC), Konkuk University), IM Chan(Department of Chemistry & Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFnSC), Konkuk University), AHME Helene Franziska, WUERFEL Uli Tobias(Fraunhofer Institute for Solar Energy Systems ISE, Germany)

Ep-II-065

Determine the Defect State Distribution and Energy Level of Bulk Heterojunction P3HT:PCBM-71 Organic Solar Cells from Capacitance Measurement /

YOUN Jun ho, LEE Yeon Il(KAIST, Department of Physics), BAEK Su Jin, RYU Mi Sun(Kyung Hee University, Department of Information Display), MOON Hie Tae(KAIST, Department of Physics), JANG Jin(Kyung Hee University, Department of Information Display)

Ep-II-066*

유기태양전지에서 후열처리 온도에 따른 광 활성층의 특성에 관한 연구 / 이동욱, 김동영, 배강, 서성보, 손선영, 김화민(대구가톨릭대)

Ep-II-067*

Optical Modeling of Organic Solar Cells with Mixed Coherent and Incoherent Multilayers Using the Generalized Transfer Matrix Method / 정성엽(경희대), 김경염(세종대), 이연일, 윤준호, 문희태 (KAIST 물리학과), 장진, 김정호(경희대)

Ep-II-068

금속가열법을 이용한 고성능 rubrene TFT제조 / 이혁무(KAIST, 원자력 및 양자공학과), 문한열, 김효식(KAIST, 전자공학과), 김용남, 조성오(KAIST, 원자력 및 양자공학과)

Ep-II-069*

Synthesis and Field Emission Properties of Te Nanowire Arrays Grown on Conducting Silicon Substrate Through a Facile Hydrothermal Method / YAN Chanzeng(Department of Physics, Department of Energy Science, Institute of Basic Sciences, SKKU Advanced Institute of Nanotechnology, Sungkyunkwan University), RAGHAVAN CM(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University), PATOLE Shashikant P., 유지범, 강대준(School of Advanced Materials Science and Engineering, SKKU Advanced Institute of Nanotechnology, Sungkyunkwan University)

Ep-II-070*

Highly efficient hybrid LED with CdSe/ZnS embedded in co-polymer matrix as the emissive layer / 이상원, 유태양, 강병호, 김구진, 염세혁, 강신원(경북대)

Ep-II-071

The substrate effect on the morphological formation of P3HT:PCBM Blend Films / KIM Junwoo(Department of Chemistry, Konkuk University), LEE Myounghee, LEE Sunae(Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFNSC), Konkuk University), AN Jongdeok(Department of Chemistry & Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFNSC), Konkuk University), PARK Hoon(Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFNSC), Konkuk University), IM Chan(Department of Chemistry & Konkuk University-Fraunhofer ISE Next Generation Solar Cell Research Center (KFNSC), Konkuk University)

Ep-II-072

The Study On The Temperature Dependence Of Electrical Properties And Carrier Dynamics In Quantum Dot Light Emitting Diode / LEE Yeonil, YOUN Junho(Dept. Physics, KAIST), RYU Misun, JEONG Inkyung, KIM Jungho(ADRC and Dept. Information Display, Kyunghee Univ.), MOON Hietae(Dept. Physics, KAIST), JANG Jin(ADRC and Dept. Information Display, Kyunghee Univ.)

Ep-II-073*

Plasma treatment effect on electrical properties of polyaniline films for protein biosensor applications / YOON-HEE Kang, HYUN-UK Lee, KYUN Ahn, DE Pham-Cong, CHAE-RYONG Cho(Pusan National University, Department of Nano Fusion Technology)

Ep-II-074*

Direct Characterization of the quaternary structure and the oligomeric state of RecR protein by single-molecule FRET / KIM Cheolhee, KIM JaeYeol(Department of Physics, POSTECH), LEE Byung-il(National Cancer Center), LEE NamKi(Department of Physics, POSTECH)

Ep-II-075

Control of gene expression noise in Escherichia coli and its analysis / AN Taeki, KIM Cheolhee(Department of Physics, POSTECH), KIM Samuel(Department of Life Science, POSTECH), LEE Namki(Department of Physics, POSTECH)

Ep-II-076*

Local Concentration Observation of Selected Ions with Sub-micro pipette / SON Jong wan, TAKAMI Tomohide, LEE Joo-Kyung, PARK Bae Ho, KAWAI Tomoji(Division of Quantum Phases & Devices, School of Physics, Konkuk University)

Ep-II-077

Setup of optical tweezers for measuring concentration of contemporary DNA / HEO Seungjin, KIM Kipom, CHO Yong-Hoon(KAIST)

Ep-II-078

현대 온칩의 온도 특성 연구 / 이승호, 이해정(경희대), 권기홍(대전대)

Ep-II-079

3D Microtomography Imaging of Bone Architecture Evaluated by Synchrotron Radiation / KIM Ki-Hong(Department of Optometry & Vision Science, Catholic University of Daegu), KIM Hong-Tae(Department of Anatomy, School of Medicine, Catholic University of Daegu), KIM Jong-Ki(Department of Engineering & Radiology, School of Medicine, Catholic University of Daegu), CHOI Chul-Hee(Department of Audiology and Speech-Language Pathology, Catholic University of Daegu), CHON Kwon Su(Department of Radiological Science, Catholic University of Daegu)

2011년 4월 14일 목요일 09:00 - 11:00

장소: 포스터 발표장

Hp-II-001

The stability of electron beam orbits in a harmonic wiggler magnetic field / NAM Soon-Kwon(Department of Physics, Kangwon National University), KIM Ki-Bum(Cyclotron Research Institute, Kangwon National University)

Hp-II-002

레이저-플라즈마 기반 고에너지 전자빔 집속 광학계 설계 / 차혁진, 정태문, 이종민(광주과학기술원 고등광기술연구소)

Hp-II-003

탁상형 엑스선 자유전자레이저 구현을 위한 레이저-플라즈마 기반 교번자장기 방사광원의 밝기에 관한 전산모사 및 측정 개념 설계 / 차혁진, 정태문, 이종민(광주과학기술원 고등광기술연구소)

Hp-II-004

Energy Spreads by Transient Beam Loading Effect in Pulsed RF Linac /

김상훈, 양해룡(POSTECH), 오종석(NFRI), 장성덕, 손윤규, 박성주, 조무현, 남궁원(POSTECH)

Hp-II-005

Start-to-End Simulation of PAL XFEL / HWANG Ilmoon(Pohang Accelerator Laboratory), LEE Jae Yu(Postech)

Hp-II-006*

C-band Standing-wave Accelerating Structure with RF Focusing /

양해룡, 김상훈, 박성주(포항공대), 오종석(국가핵융합연구소), 조무현, 남궁원(포항공대)

Hp-II-007

PEFP 빔라인을 위한 stripline BPM 설계 / 장지호, 권혁중, 김한성, 민경진, 박범식, 설경태, 차성수, 조용섭(KAERI)

Hp-II-008

Investigation of Field symmetry in the Photocathode RF Gun / HONG JUHO, MOON SUNG-IK, PARC YONG-WOON, KO IN SOO(POSTECH, Physics), KIM CHANGBUM, PARK SUNG-JU, PARK YONG-JUNG, KIM SEUNG-HWAN(POSTECH, PAL)

Hp-II-009*

Study on Microwave Plasma Ion Source with Double Port Rectangular Resonator(더블포트를 이용한 직육면체 공진공동 마이크로웨이브 플라즈마 이온원에 대한 연구) / LEE Yuna, PARK Yeong Shin, HWANG Y. S.(서울대)

Hp-II-010

Study on a Gas Flow Control and Plasma Condition of a 2.45 GHz ECR Ion Source / 원미숙, 김동준, 이병섭, 박진용, 김병철, 옥정우, 윤장희, 최세용(한국기초과학지원연구원), 정중현(부경대)

Hp-II-011*

Probe Measurement of KSTAR SOL Plasma / OH Y._S, CHUNG K.-S(Department of Electrical Eng. & Center for Edge Plasma Science, Hanyang University), BAK J._G(KSTAR Team, National Fusion Research Institute), PARK E._K, WOO H._J(Department of Electrical Eng. & Center for Edge Plasma Science, Hanyang University)

Hp-II-012

The Design of the Accelerator for 2MW Neutral Deuterium Beam Injection / 김태성, 정승호, 인상렬, 장두희(한국원자력연구원, 핵융합공학기술개발부)

Hp-II-013

Particle Tracking and Error Simulation of the Injection System for the PLS-II / KIM Mungyung, HWANG Il moon, SHIN SeungHwan(포항 가속기연구소)

Hp-II-014*

Flux behaviors in the SOL region of KSTAR during L-H transition / OH Y.-S, CHUNG K._S(Department of Electrical Eng. & Center for Edge Plasma Science, Hanyang University), BAK J._G(KSTAR Team, National Fusion Research Institute), PARK E._K, WOO H._J(Department of Electrical Eng. & Center for Edge Plasma Science, Hanyang University)

Hp-II-015*

High-power Femtosecond Laser System for THz Generations from Laser-Induced Plasma / 석희용, 장도근, 김진주(GIST)

Hp-II-016

nA의 빔 프로파일 측정을 위한 PPIC(Parallel Plate Ionization Chamber)의 제작 및 특성 연구 / 이화련, 양태건, 황원택, 박연수(한국원자력의학원)

Hp-II-017

서프레서(suppressor)를 적용한 액체금속이온원의 에너지 퍼짐 연구 /

민부기, 오현주, 변용성, 강승언, 최은하(광운대)

Hp-II-018

High Power Beam Test Of A 1.6-cell Photocathode RF Gun At PAL / KO In Soo, CHAE Moonsik, HONG Juho, PARC Yong Woon(포항공대), PARK Sung-Ju, KIM Changbum(포항가속기연구소)

Hp-II-019

PEFP 20MeV 빔 에미턴스 측정 및 계산 / 홍진석, 윤상필, 김대일, 김한성, 권혁중, 장지호(한국원자력연구원, 양성자기반공학기술개발사업단), 노승정(단국대)

Hp-II-020

X-선 자유전자 레이저를 위한 레이저-플라즈마 전자 가속에 대한 전산모사 연구 / 배기홍, 이종민(고등광기술연구소, 광주과학기술원)

Hp-II-021

레이저를 이용한 의료용 양성자 발생에 대한 전산모사 연구 / 배기홍, 최일우, 이종민(고등광기술연구소, 광주과학기술원)

Hp-II-022

Vacuum Performance of C-band Accelerating Structures / 이희재, 이창호, 김상훈(포항공대), 박종도(포항가속기연구소), 조무현(포항공대), 남궁원(포항가속기연구소)

Hp-II-023

Design of Shunt Structure to Control Transverse Electric Resonance Modes in Vacuum Chamber of PLS-II Storage Ring / 주영도, 하태균, 황일문, 김창범(포항가속기연구소)

Hp-II-024

PLS-II 전자총 진공이원화와 전자 빔 전류 인출시험 / 손윤규, 박용정, 황일문, 주영도, 이병준, 박성주(포항가속기연구소)

Hp-II-025*

High power test of a 13MHz cavity for an rf implanter / TRINH Tu Anh, KWON Hyeok Jung, KIM Han Sung, SEOL Kyung Tae, PARK Bum Sik, KIM Dae Il, CHO Yong Sub(한국원자력연구원)

Hp-II-026

Design study of inexpensive electrical probe for high voltage measurement / RAHAMAN, H, HOON, H, SON, Y. K, CHOI, O. R, NAM, S. H(Pohang Accelerator Laboratory), SO, J. H(ADD), KUK, C. H(LIG Nex 1)

Hp-II-027*

Helium-Filled Capillary Discharge Plasma and Its Possibility as Plasma Source for Laser Plasma Accelerators / KIM Min-Seok, JANG Do-Geun, JANG Dong-Gyu(Graduate Program of Photonics and Applied Physics, Gwangju Institute of Science and Technology), UHM Han-Sup(Kwangwoon Academy of Advanced Studies, Kwangwoon University), SUK Hyyong(Graduate Program of Photonics and Applied Physics, Gwangju Institute of Science and Technology)

Hp-II-028

Communication Interface between Control Room and Target Room for Beam operation of PEPF 20 MeV Proton Linac / SONG Young-Gi, KIM Han-Sung, PARK Bum-Sik, KWON Hyeok-Jung, CHO Yong-Sub(KAERI)

Hp-II-029

Design and Machine Features of 2.2-m C-band Accelerating Structure / 이창호, 이희재, 김상훈, 조무현(포항공대), 남궁원(포항가속기연구소)

Hp-II-030

Rotating Coil Measurement of the EQM for PEPF 100 MeV DTL / KIM Han-Sung, KIM Dae-Il, KWON Hyeok-Jung, CHO Yong-Sub(KAERI, PEPF)

Hp-II-031

Beam Emittance Measurement of the PEPF Microwave Ion Source / KWON Hyeok-Jung, KIM Han-Sung, KIM Dae-Il, SEOL Kyung-Tae, SONG Young-Gi, HONG Jin-Seok, JANG Ji-Ho, CHO Yong-Sub(KAERI, PEPF)

Hp-II-032

포항방사광가속기-II에서 5C1 빔라인의 성능향상 / 길계환, 최효진, 장성덕, 임준, 김효윤, 임재홍, 황정연(포항가속기연구소)

Hp-II-033

연구자석 솔레노이드를 이용한 마이크로파 이온원의 특성 시험 / 조용섭, 김대일, 권혁중, 설경태, 김한성(한국원자력연구원 양성자기반공학기술개발사업단)

Hp-II-034

Design of Beam-extraction Dipole Magnet for the PEPF / 박범식, 조용섭, 김한성, 권혁중, 장지호(한국원자력연구원)

Hp-II-035

Properties of different magnetic materials at very high magnetization rates / LEE Byung-Joon, RAHAMAN Hasibur, NAM Sang

Hoon(Pohang Accelerator Laboratory), IBERLER Marcus, JACOBY Joachim(Institute of Applied Physics, Goethe University of Frankfurt, Germany), FRANK Klaus(Physics Department I, F.A.-University of Erlangen-Nuremberg, Germany)

Hp-II-036*

The interferometric method for electron densities measurements inside hydrogen-filled discharged capillary plasma / JANG Dong-Gyu, JANG Do G., KIM Min-seok, SUK Hyyong(Gwangju Institute of Science and Technology (GIST))

Hp-II-037

극초단 광양자빔 연구시설을 이용한 암치료용 레이저 유도 이온 가속 분야 연구현황 / 최일우, 배기홍, 이종민(광주과학기술원 고등광기술연구소)

Hp-II-038

Feasibility study on the formation of an uniform Ar ion beam using a planar inductive plasma / HONG In-Seok, CHO yong-Sub (Proton Engineering Frontier Project, Korea Atomic Energy Research Institute)

Hp-II-039

PLS-II 4C GI-SAXS 빔라인 사양과 구조 / 최효진, 윤영덕, 이채순, 김희섭, 김광우(포항가속기연구소)

Hp-II-040*

Study on creation of free electrons due to concealed radioactive materials using MCNP code / KIM Dongsung(울산대), KIM Y, CHOI Eunmi(울산과학기술대)

Hp-II-041*

Study of the Chirped Terahertz Pulse Generation Using 2-D Particle-in-Cell (PIC) Code with Downward Density Gradient of Plasma / KIM JINJU, JANG DOGEUN, SUK HEEYONG(Gwangju Institute of Science and Technology (GIST))

Hp-II-042

Coal - augmented microwave plasma burner / SHIN Yong Wook(한동대/국가핵융합연구소), HONG Yong Cheol, SHIN Dong Hun, KIM Ye Jin, LEE Bong Ju(국가핵융합연구소), UHM Han Sup(광운대)

Hp-II-043

Generation of High-power Torch Plasma by a 915 MHz Microwave System / 홍용철, 신동훈, 이상주, 김예진, 이봉주, 엄환섭(국가핵융합연구소)

Hp-II-044

Gasification of coal by making use of a 2.45 GHz steam plasma /

신동훈, 홍용철, 이상주, 김예진, 신용욱, 이봉주(국가핵융합연구소)

Hp-II-045

고속 중성자의 플라즈마 대면물체에 대한 영향분석 (Analysis on Effect of Fast Neutrons in Plasma Facing Materials) /

오주희, 이보영, 고승국(울산대), 이희석(포항공대 포항가속기연구소)

Hp-II-046*

Development of a cavity-type beam position monitor with a position resolution of nanometer /

SIWON Jang, JIGWANG Hwang, AEYOUNG Heo, EUN-SAN Kim, HYANGKYU Park, HYUNGSUK Kim(경북대)

Hp-II-047*

중입자 가속기를 위한 연구용 빔 라인의 최적화 설계 연구 / 노선영, 황지광, 김은산(경북대)

Hp-II-048

Optimization of the PGNA system using the GEANT4 simulation

/ 심현하, 이경세, 홍병식(고려대), 이성만, 박성희, 박상순, 차형기(한국원자력연구원)

Hp-II-049*

Results of the resolution test of re-entrant beam position monitor with a configured synchronous detection electronics /

HEO AEYOUNG, KIM EUN-SAN, SON DONG CHUL(KNU), HAYANO HITOSHI (KEK), RYU SUN YOUNG, AHN JUNG KEUN(PNU)

Hp-II-050*

Emittance minimization by Courant-Snyder parameter scan in energy recovery linac /

HWANG Ji-Gwang, KIM Eun-San(Kyungpook National University), MIYAJIMA Tsukasa(KEK, Photon Factory)

2011년 4월 14일 목요일 09:00 - 11:00

장소: 포스터 발표장

Jp-II-001

Calculation and Measurement of Dispersion for Doppler-broadened Rubidium Atoms / 서민정, 원준연, 정택, 노흥렬(전남대)

Jp-II-002*

Multi-isotope trapping of Ytterbium atoms with double pass acousto-optic modulator / 조준우, 박해용, 김재은(KAIST, 물리학과), 박창용, 이원규, 유대혁(한국표준과학연구원, 기반표준본부)

Jp-II-003

Controlled Phase Shift Operation for Single Atom Interferometer in a State-Selective Potential / CHOI Jai-Miin(Division of Science Education, Chonbuk National University), DITER Meschede(IAP, University of Bonn, Germany)

Jp-II-004*

Control Of Molecular Axis Using Intense Femtosecond Laser Pulses And Its Applications / 윤혁(한국과학기술원, 물리학과), 김형택, 김철민(광주과학기술원, 고등광기술연구소), 남창희(한국과학기술원, 물리학과), 이종민(광주과학기술원, 고등광기술연구소)

Jp-II-005*

Quantum Szilard engine with two particles / KIM Sang Wook, KIM Kang Hwan(Pusan National University)

Jp-II-006*

Optical dipole trap of a single atom in an atom-cavity system / LIM Sooin, KANG Sungsam, HWANG Myounggyu, KIM Wookrae, KIM Jung-Ryul, AN Kyungwon(Department of Physics and Astronomy, Seoul National University)

Jp-II-007

Coherent Control of Tunneling in Double-Well Potentials / SONG Dae-Yup(순천대)

Jp-II-008*

The cold atom collision effect in optical lattice structure / KIM Jung-Ryul, KIM Wookrae, KANG Sungsam, LIM Sooin, HWANG Myounggyu, AN Kyungwon(Department of Physics and Astronomy, Seoul National University)

Jp-II-009

Closed Triple Collision Orbits in eZe and Plane Helium / 변창우, 최
낙렬, 이민호(금오공대)

Jp-II-010

**Optical Pumping and Saturated Absorption Spectra for Rubidium
D1 Line /** 원준연, 서민정, 정택, 노흥렬(전남대 물리학과)

Jp-II-011

**Elastic Cross Sections for Electron Collisions with Molecules
Relevant to Plasma Processing /** 윤정식, 송미영(NFRI), KATO H,
HOSHINO M, TANAKA H(Sophia U.), BRUNGER M. J.(Flinders U.), BUCKMAN
S.J.(ANU), 조혁(충남대)

Jp-II-012*

Exotic quantum states in atomic BEC / CHOI Jae-yoon, KWON Woo
Jin, SHIN Yong-il(Seoul National University, Department of Physics and
Astronomy)

2011년 4월 14일 목요일 14:45 - 16:45

장소: 포스터 발표장

Bp-III-001**Search for new bosons A0 at BESIII** / LI Xiurong(Seoul National University)**Bp-III-002****Search for the 4th generation bottom like quark in the opposite sign di-lepton channel** / 최영규, 최영일(성균관대)**Bp-III-003****Heavy Flavor Physics in LHC era** / 조기현, 남수현, 김정현, 김영진, 배태길(KISTI, 고에너지물리연구팀)**Bp-III-004****Simulation of 3D silicon detector using ATLAS** / 이경민, 원은일(고려대)**Bp-III-005****W-boson Studies In Association With Jets In 7 TeV Proton-Proton Collision Data With The CMS Detector** / NAM Soon-Kwon, HEO Seong-Gu(Department of Physics, Kangwon National University)**Bp-III-006****Effect of RPC Hits on Muon Reconstruction in CMS detector** / 서현관, 이종석, 김민석, 최영일, 유인태(성균관대)**Bp-III-007****Measurement of Plastic Scintillator Strips Performance** / 이정은, 박민석, 최재윤, 김동희, 우오즈미 사토루, 오영도(WCU Collider Physics Research, Kyungpook National University)**Bp-III-008****The Next Generation Scintillator-based Electromagnetic Calorimeter Prototype and Beam Test** /

KHAN Adil, KIM DongHee, UOZUMI Satoru, KONG DaeJung, OH YoungDo, KIM Jieun(WCU Collider Physics Research, Kyungpook National University), TAKESHITA Tooru, KOTERA Katsushige, NISHIYAMA Miho, SHUNSKETuzoka, SKUMA Taka(Shin-Su University), KAWAGOE Kiyotomo(Kobe University), FUMIHIKO Ukegawa(Tskuba University), SEFKOW Felix, KAPLAN Alexander(DESY)

Bp-III-009

Performance of a New HPGe Detector at Y2L / 강운구, 김영덕(세종대), 김선기, 명성숙, 최정훈, 이명재, 이상준, 이정일, 김승천, 이효상, 김건보, V. Kovychev, J. Li, X. Li, S. Olsen, H. Bhang, S. Choi, K. Tanida, Y. Sato(서울대), 김홍주, 소중호, 황용석, 지양화(경북대), 김용함, M.K. Lee, H. Park, J.M. Lee, K.B. Lee(한국표준과학연구원)

Bp-III-010

Calculation of Kaon Semi-leptonic Decay Form Factor using HYP-smearred Staggered Fermions / 배태길(한국과학기술정보연구원, 슈퍼컴퓨팅본부, 고에너지물리연구팀)

Bp-III-011

Scan-Back Analysis in the OPERA Experiment / KIM J.H, YOON C. S, SONG J. S, PARK I. G(GNU), PARK B. D(Asan Medical Center), KIM S. H(PNU)

Bp-III-012

RENO PMT Assembly / 김우영, 도호석, 사무엘 스테파난, 세르게이 체보타료프(경북대), 박인곤(경상대), 박명렬, 최준호(동신대), 김성현, 안정근(부산대), 박강순(서경대), 장한일(서강정보대), 강보라, 김동구, 김수봉, 박정식, 신진욱, 양병수, 이재승, 최선호, 최원국(서울대), 유인태, 이승현, 최영일(성균관대), 강운구, 김영덕, 마경주, 전은주(세종대), 김병찬, 김재률, 서승원, 여인성, 임인택, 장지승, 정인석, 주경광, 최을임(전남대), 김현수(전북대), 김시연(중앙대)

Bp-III-013

The advanced data searching system with AMGA at the Belle II experiment / 김정현, 조기현(KISTI HEP팀), 안선일(KISTI 기반기술연구개발실)

Bp-III-014*

Energy Calibration of RENO Mock-up Detector / 신진욱(서울대), 김우영, 도호석, 사무엘 스테파난, 세르게이 체보타료프(경북대), 박인곤(경상대), 박명렬, 최준호(동신대), 김성현, 안정근(부산대), 박강순(서경대), 장한일(서강정보대학), 강보라, 김동구, 김수봉, 박정식, 양병수, 이재승, 최선호, 최원국(서울대), 유인태, 이승현, 최영일(성균관대), 강운구, 김영덕, 마경주, 정은주(세종대), 김병찬, 김재률, 서승원, 여인성, 임인택, 장지승, 정인석, 주경광, 최을임(전남대), 김현수(전북대), 김시연(중앙대), JAMES Hill(California State University Dominguez Hills)

Bp-III-015*

Measurement of Top and Anti-top Quark mass difference in the Dilepton Channel / SHIN ChangDong, JOO KyungKwang(전남대), KIM YoungJin, CHO KiHyeon(KISTI 고에너지 물리연구팀), KIM DongHee, OH YoungDo, KONG DaeJung, KIM JiEun, YANG YuCheol(경북대), KIM SuBong, MOON ChangSeong(서울대), YU InTae(성균관대), KIM HyeonSu(전북대), JEON EunJu(세종대)

Bp-III-016

Leak Test of RENO Acrylic Vessels / 여인성(전남대 물리학과), 김우영, 도호석, 사무엘 스테파난, 세르게이 체보타료프(경북대), 박인곤(경상대), 최준호, 박명렬(동신대), 김성현, 안정근(부산대), 박강순(서경대), 장한일(서강정보대), 강보라, 박정식, 김동구, 신진욱, 이재승, 최원국, 최선호, 김수봉, 양병수(서울대), 유인태, 이승현, 최영일(성균관대), 강운구, 김영덕, 마경주, 전은주(세종대), 김병찬, 김재률, 주경광, 최을임, 서승원, 임인택, 장지승, 정인석(전남대), 김현수(전북대), 김시연(중앙대)

Bp-III-017*

Measurement Of Birk's Constant For RENO Liquid Scintillator / 김우영, 도호석, 스테파난 사무엘, 체보타료프 세르게이(경북대), 박인곤(경상대), 박명렬, 최준호(동신대 물리학과), 김성현, 안정근(부산대 물리학과), 박강순(서경대 물리학과), 장한일(서강정보대 물리학과), 강보라, 김동구, 김수봉, 박정식, 신진욱, 양병수, 이재승, 최선호, 최원국(서울대 물리학과), 유인태, 이승현, 최영일(성균관대 물리학과), 강운구, 김영덕, 마경주, 전은주(세종대 물리학과), 김병찬, 김재률, 서승원, 여인성, 임인택, 장지승, 정인석, 주경광, 최을임(전남대 물리학과), 김현수(전북대 물리학과), 김시연(중앙대 물리학과), HILL James(California State University Dominguez Hills), TANIDA Kiyoshi, 양성배, 김상태(서울대 물리학과)

Bp-III-018

A Search for a Light Particle in B^0 to $X^0 K^*(\pi^+) \pi^-$ / HYUN H. J., KIM H. J., KIM H. O., KIM M. J., PARK H., PARK H. K.(Kyungpook National University), CHEON B. G.(Hanyang University), CHO K. H.(Korea Institute of Science and Technology Information), CHOI S. K.(Gyeongsang National University), CHOI Y. I.(Sungkyunkwan University), KIM J. H.(Korea Institute of Science and Technology Information), KIM S. K.(Seoul National University), KO B. R.(Korea University), KWON Y. J.(Yonsei University), LEE M. J.(Seoul National University), MASAYA I.(Yonsei University), OLSEN S.(Seoul National University), PARK C. W.(Sungkyunkwan University), UNNO Y.(Hanyang University), WON E. I.(Korea University)

Bp-III-019

CP violation parameters in B_s to $J/\Psi \Phi$ analysis at CDF experiments / 김영진, 조기현, 배태길(KISTI, 고에너지물리연구팀), SAVOY-NAVARRO Aureore, ERSHAIDAT Nidal, SAVELIEV Valeri(IN2P3)

Bp-III-020

A study on Calibration of Neutron Beam test with a hadron calorimeter in E14 at J-parc / 고재우, 김용주, 우종관(제주대), 이효상(서울대), 김은주(전북대), 정명신(한양대), 임계엽(KEK), 안정근, 백광윤(부산대)

Bp-III-021

GEM 검출기를 이용한 2.0 MeV 전자빔 프로파일 측정 / 김곤우, 김일곤,

유동선, 하성용, 추문식, 이은성(창원대)

Bp-III-022

20~100 MeV 양성자를 이용한 중성자원 기초연구 / 나세진, 정명환, 김계령(한국원자력연구원 양성자기반공학기술개발사업단)

Bp-III-023

Study of Heavy Quarkonia Production with ALICE Muon Spectrometer / AHN Sang-Un(Konkuk University and Universite Blaise Pascal), ROSNET Philippe, DUPIEUX Pascal, BAEK Yong-Wook(Universite Blaise Pascal), OH Sun Kun(Konkuk University)

Bp-III-024

Installation of RENO DAQ System and Cabling / 장지승, 김병찬, 김재률, 서승원, 여인성, 임인택, 정인석, 주경광, 최을임(전남대), 김우영, 도호석, 사무엘 스테파난, 세르케이 체보타료프(경북대), 박인곤(경상대), 박명렬, 최준호(동신대), 김성현, 안정근(부산대), 장한일(서강정보대), 강보라, 김동구, 김수봉, 박정식, 신진욱, 양병수, 이재승, 최선호, 최원국(서울대), 유인태, 이승현, 최영일(성균관대), 강운구, 김영덕, 마경주, 전은주(세종대), 김현수(전북대), 김시연(중앙대), HILL James(California State University Dominguez Hills)

Bp-III-025

Geant4 Monte Carlo Simulation for Muon Tomography / JANG WOORYOUNG, CHOI YUNSEOK, HUH CHANGGI, LEE MANWOO, KIM GUINYUN(Department of Physics, Kyungpook National University)

2011년 4월 14일 목요일 14:45 - 16:45

장소: 포스터 발표장

Dp-III-113

Atomic-level control for well-defined SrTiO_3 (001) single crystal surface / 송종현, 성상근(충남대), 장정원(고려대), 김진희, 심승보(한국표준과학연구원)

Dp-III-114*

Role of cationic vacancies and their complexes on ferromagnetism in $\text{ZnO}(10\text{-}10)$: First-principles calculations / SHIN Eun-Ha(Department of Physics, Sookmyung Women's University), CHAE Kisung(Department of Materials Science and Engineering, Rensselaer Polytechnic Institute, USA), KIM Hanchul(Department of Physics, Sookmyung Women's University)

Dp-III-115

Effects of High-pressure Water Vapor Annealing on Polycrystalline Silicon / JANG Young Rae(Korea Atomic Energy Research Institute, Neutron Science Division)

Dp-III-116

Epitaxial Growth of Ag Thin Film on $\text{MgO}(100)$ Substrate by DC Magnetron Sputtering Method / JEON Bo-Geon, JEONG Jae-Woo(Department of Materials Science and Engineering, Chungnam National University), LEE Tae-Soo, VO Thanh Son(Graduate School of Green Energy Technology, Chungnam National University), JEONG Jong-Ryul(Department of Materials Science and Engineering, Chungnam National University)

Dp-III-117

Universal Ti-rich Termination of Atomically Flat SrTiO_3 (001), (110), and (111) Surfaces / BISWAS ABHIJIT, JEONG YOON HEE (Department of Physics, Postech)

Dp-III-118

First principle studies of oxygen vacancies at $\alpha\text{-SiO}_2/\text{m-HfO}_2$ interface on $\text{Si}(001)$ in MOSFET device / PARK Yongjin, CHANG Hyunju, KONG Ki-Jeong(KRICT), SHIN Mincheol(KAIST)

Dp-III-119*

SiO_2 와 TiO_2 박막의 초친수 특성에 대한 연구 / 정찬수, 김동영, 서성보, 배강, 손선영, 김화민(대구가톨릭대)

Dp-III-120

Single Crystal Growth and Transport Properties of Co & Mn-doped Bi₂Te₃ and Sb₂Te₃ / DUNG Anh Tuan, THIET Duong Van, 조성래(울산대), 김원동, 황찬웅, 박현민(한국표준과학연구원), 최정용(한국전자통신연구원)

Dp-III-121*

Analysis of structure and specific surface area of Ni doped SBA-15 / KIIM Jae-yong, LEE Sang-hwa, SHIN Taegye(Department of Physics, Hanyang University), HAN yosep, KIM Seongmin, PARK Jaikoo(Department of Natural Resources and Environmental Engineering, Hanyang University)

Dp-III-122

국소양극산화법으로 제작된 그래핀 산화물의 구조 연구 / 이덕현, 이정원, 이승웅, 박배호(건국대)

Dp-III-123*

그래핀 주름의 형성 과정 및 특성 연구 / 이미정, 이덕현, 변익수, 최진식, 이승웅, 박배호(건국대), 이창구(성균관대)

Dp-III-124

Characterization and chemical bonding states of pn-junction p-CuO/n-Si by electronspinning method / KIM Jong-Pil, PAK Eun Sick, SEO Hoe-Joo, HONG Tae Eun, BAE Jong-Seong, JIN Jong Sung, JEONG Euh Duck, YOON Jang-Hee(Busan Center, Korea Basic Science Institute)

Dp-III-125*

Different Aspects of the Reaction and Electronic Structure between Phenylacetylene and Styrene Molecular Lines on H-terminated Si(100) / CHO Jun-Hyung, LEE Jun-Ho, CHOI Jin-Ho(Hanyang University, Department of Physics)

Dp-III-126*

Unipolar Resistive Switching Mechanism and Characteristics Based On Cathode-Interfaced Electroreduction / 홍사환, LONG Deng Xiao, 황인록, 김진수, 오광택, 강성웅, 박배호(건국대)

Dp-III-127*

Rheology study of DPPC monolayer with the liquid expanded/liquid condensed (LE/LC) coexistence phase at the air/water interface / 박창영, 김만원(KAIST, 물리학과)

Dp-III-128

Ion-Bombardment Effects on a Topological Insulator Bi_{0.9}Sb_{0.1} / KIM Ilyou(Department of Physics, Pohang University of Science and Technology), LEE Han-Koo(Beamline Division, Pohang Accelerator Laboratory),

NOH Han-Jin(Department of Physics, Chonnam National University), KIM Hyeong-Do(Beamline Division, Pohang Accelerator Laboratory)

Dp-III-129*

New structural model of the Au-induced superstructures on the Ag/Si(111)- $\sqrt{3} \times \sqrt{3}$ surface / KIM Gyu Hyeong, JEONG Sukmin (Department Physics and Research Institute of Physics and Chemistry, Chonbuk National University)

Dp-III-130*

Ferroelectric properties of epitaxial $\text{PbZr}_{0.3}\text{Ti}_{0.7}\text{O}_3$ thin films deposited on extremely thin SrRuO_3 electrode / PARK Sungmin, HWANG Jihwan, KWON Hyosang, CHO Sungwoo, PARK Gwangseo (Department of Physics, Sogang University), LEE Eung-goo, CHUNG Jinseok (Department of Physics, Soongsil University)

Dp-III-131*

Electrospray Deposition of P3HT and PCBM in Ultra-High Vacuum: in situ Photoemission Spectroscopy and ex situ Atomic Force Microscopy / KIM Ji-Hoon, HONG Jong-Am, SEO Jaewon, PARK Yongsup(Department of Physics, Kyung Hee University)

Dp-III-132

Visualizing Halogen Bonds in a Two-dimensional Supramolecular System / 윤종건(고려대), 손원준(서울대), 김호원, 정경훈(고려대), 한승우(서울대), 강세종(고려대)

Dp-III-133

Formation and band characterization of a Bi_2Se_3 topological insulator / 이평로, 성시진(포스텍 물리학과), 김남동(포스텍 화학과), 정진욱(포스텍 물리학과)

Dp-III-134

Growth of Al Thin Film on W(110) Surface at Room Temperature / 최대선, 김도형, 박민걸, 박미미(강원대)

Dp-III-135

Quantitative Analysis of Firpic Organic Thin Film / 박순미, 유현웅, 김정원(한국표준과학연구원)

Dp-III-136*

다양한 기판에 FTS(Facing Target Sputtering)방법으로 제작된 PTFE박막의 발수 특성에 관한 연구 / 장지원, 방승규, 서성보, 김동영, 배강, 손선영, 김화민(대구가톨릭대)

Dp-III-137

The Electronic and Magnetic Properties of (001) Surface of Rock-Salt Alkaline-Earth Metal Silicides / LEE Jae Il, BIALEK Beata(Inha University, Department of Physics)

Dp-III-138

Hydrogen-bonded Molecular Networks of Anthraquinone on Au(111) / KIM Ji Yeon, YOON Jong Keon, PARK Jihun, KIM Howon, KAHNG Se-Jong(Department of Physics, Korea University)

Dp-III-139

Tailoring the plasmon characteristics of graphene / 신선영, 김진걸(포스텍 물리학과), 김남동(포스텍 화학과), 이팽로, 성시진, 정진욱(포스텍 물리학과)

Dp-III-140*

Growth condition dependent characteristics of pulsed laser deposited Eu:NaY(MoO₄)₂ thin film phosphors grown on sapphire substrates / PARK Sung Wook, MOON Byung Kee, CHOI Byung Chun, JEONG Jung Hyun(부경대), BAE Jong Seong(기초과학지원연구원, 부산센터)

Dp-III-141

Optical Properties of In₄Se_{3-d}Cl_x / SIM Kyung Ik, LEE Cheol Hyeok(Institute of Physics and Applied Physics, Department of Physics, Yonsei University), RHYEE Jong Soo(Department of Applied Physics, College of Applied Science, Kyung Hee University), KIM Jae. H.(Institute of Physics and Applied Physics, Department of Physics, Yonsei University)

Dp-III-142

강유전체 Pb₅Ge₃O₁₁ 박막의 제작과 물성연구 / 정창희, 이호섭, 장기완(창원대), 김종국(울산테크노파크, 분석팀)

Dp-III-143

고체 산화물 연료전지 연결재 Fe/Mn 산화물의 열기계적 및 전기적 특성 / 최현우(부산대), 임영훈(세명대), 양용석(부산대)

Dp-III-144

분광타원해석법을 이용한 La_{1/4}Pr_{3/8}Ca_{3/8}MnO₃ 박막의 기판에 따른 광물성 변화 / KANG Hyun Jin, AHN Jai Seok(부산대)

Dp-III-145

Anisotropic massless fermions in a Bi square lattice of SrMnBi₂ / PARK Joonbum(Department of Physics, POSTECH), LEE Geunsik(Department of Chemistry, POSTECH), WOLFF-FABRIS Frederik(Dresden High Magnetic Field Laboratory Forschungszentrum, Dresden-Rossendorf, Germany), JO Youn Jung

(Department of Physics, Ehwa Womans University), EOM Man Jin(Department of Physics, POSTECH), JO Y.H., KIM Y.K., KIM Changyoung(Institute of Physics and Applied Physics, Yonsei University), SHIM Ji Hoon(Department of Chemistry, POSTECH), KIM Jun Sung(Department of Physics, POSTECH)

Dp-III-146*

Thickness Dependence of Ferroelectric Properties of $\text{Pb}(\text{ZrTi})\text{O}_3$ Films by Layer-by-Layer Growth Method / 조삼연, 양선아(전북대), 안창원(전자부품연구원), 김일원(울산대), 황인록, 박배호(건국대), 부상돈(전북대)

Dp-III-147*

THz spectroscopy of P-Si at Various Temperatures / PARK Byung Cheol, HONG Taeyoon, CHOI Kyujin, KIM Jae Hoon(Department of Physics and Institute of Physics and Applied Physics, Yonsei University)

Dp-III-148*

Optical spectroscopy of anisotropy in TIPS pentacene / CHOI Kyujin, HONG Taeyoon, HA Taewoo, PARK Byung Cheol, PARK Ji Hoon, IM Seongil, KIM Jae H.(Department of Physics and Institute of Physics and Applied Physics, Yonsei University)

Dp-III-149

First Principles Study of $\{\text{Sr}, \text{Ba}\}\text{Mn}\{\text{Sb}, \text{Bi}\}_2$ / LEE Geunsik, FARHAN Muhammad A., SHIM Ji Hoon(Department of Chemistry, POSTECH), PARK Joonbum, KIM Jun Sung(Department of Physics, POSTECH), KIM Changyoung (Institute of Physics and Applied Physics, Yonsei University)

Dp-III-150

Near-Infrared Measurements of Glucose in Aqueous Solutions / 정영의, 김성진, 황정식(부산대)

Dp-III-151

Surface Adsorbates in Ferroelectric $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ Nanotubes Investigated by X-ray Photoelectron Spectroscopy / 최용찬, 조삼연, 한진규, 부상돈(전북대)

Dp-III-152*

Morphology and Phase Development of Sol-Gel Derived PMN-PT Thin Films / 양선아, 조삼연, 부상돈(전북대)

Dp-III-153*

Electric Field Control of Ferroelectric and Ferroelastic Domain Structures in Epitaxial (111) Oriented Tetragonal Ferroelectric Thin Films / 양상모, 민태윤(ReCFI, Department of Physics and Astronomy, Seoul National University), FUNAKUBO H.(Department of Innovative and

Engineered Material, Tokyo Institute of Technology, Japan), 김태현, 이대수, 전병철(ReCFI, Department of Physics and Astronomy, Seoul National University), 윤종걸(Department of Physics, University of Suwon), 노태원(ReCFI, Department of Physics and Astronomy, Seoul National University)

Dp-III-154*

Effects of Acid and Base Etching Solutions on Morphology and Composition of Alumina Nanowires Synthesized from Anodic Alumina Membranes / 한진규, 곽진호, 부상돈(전북대)

Dp-III-155

The real part of ac Conductance in Bismuth Germanate Glasses / PARK Jong-Ho(Chinju National University of Education, Department of Science Education)

Dp-III-156

The optical properties of pulsed laser ablated Li, Eu ion codoped GdVO₄ phosphor thin films grown on GaN/Al₂O₃ substrates / 배종성, 홍태은, 김종필, 윤장희, 이병섭, 최세용, 원미숙(한국기초과학지원연구원, 부산센터), 황정식, 박성균(부산대), 정중현(부경대)

Dp-III-157*

Synthesis and properties of Sol-Gel Derived PbTiO₃ Nanotubes / 양선아, 부상돈(전북대)

Dp-III-158

강탄성체 K₄LiH₃(SO₄)₄ 단결정의 핵자기 공명 측정 연구 / 김호현, 강기혁, 민병진, 강기혁, 심정석, 김성훈, NDIAYE B, 이무희(건국대 물리학과), 임애란(전주대)

Dp-III-159*

Measurement of nonclassical rotational inertia of solid ⁴He under various magnitudes of shear stress / JAEHO Shin, WONSUK Choi, EUNSEONG Kim(KAIST, CSQR, Dept. of Phys.)

Dp-III-160*

Effects of Annealing Temperatures on Ferroelectric and Piezoelectric Properties of Composite Films Consisting of Pb(ZrTi)O₃ Films and Carbon Nanotubes / 곽진호, 한진규, 조삼연, 부상돈(전북대)

Dp-III-161*

Molecular Beam Epitaxy Growth of Nanocrystalline Graphite on Sapphire / 정상균, 유동성, 김용승, 류정아, 홍석륜(Department of Physics and Graphene Research Institute, Sejong University), 김크리스틴, 윤석현

(Department of Physics, Ewha Womans University), EFETOV D. K., 김필립
(Department of Physics, Columbia University, USA), 천승현(Department of
Physics and Graphene Research Institute, Sejong University)

Dp-III-162*

SmNiC₂에서 CDW 형성으로 인한 Power Factor의 증가 / 김진희(성균관대),
이종수(경희대), 권용성(성균관대)

Dp-III-163

**Research on dielectric properties of NKN-LN ceramics prepared
solid-solid reaction method** / PARK Jong-Ho(Chinju National University
of Education, Department of Science Education), CHOI Byung-Chun(Pukyong
National University, Department of Physics)

Dp-III-164

**First-principles Study of Microscopic Properties of Oxygen
Deficient Amorphous Zn_nSnO_{n+2} (n=1, 2)** / 강일준, 박철홍(부산대)

Dp-III-223*

Semiconducting Characteristics of CaCu₃Ti₄O₁₂ Epitaxial Thin Film
/ CHO Sungwoo, PARK Sungmin, KWON Hyosang, HWANG Jihwan, PARK
Gwangseo(Department of Physics, Sogang University)

2011년 4월 14일 목요일 14:45 – 16:45

장소: 포스터 발표장

Fp-III-001**Rhythmic transitions between voluntary and stimulated activities in mouse brain** / 이현수(POSTECH, 물리학과), 우지선(KIST, 신경과학센터), 김승환(POSTECH, 물리학과 and APCTP), 최지현(KIST, 신경과학센터)**Fp-III-002****A 0-1 Test for Chaos and Its Application to Spiking Neuron Models** / 김영태, 김재석(아주대)**Fp-III-003****Numerical Analysis for the fMRI BOLD Signal depending on Neuronal Activity** / KANG Hyuk(Computational Neuroscience Team, National Institute for Mathematical Sciences), PARK Sun Mi(Electrical Engineering, Korea Advanced Institute of Science and Technology), HWANG Dong-Uk(Computational Neuroscience Team, National Institute for Mathematical Sciences), KIM Daeshik(Electrical Engineering, Korea Advanced Institute of Science and Technology)**Fp-III-004*****Hysteretic Phase Transitions in Anesthetic-Induced Loss and Recovery of Consciousness** / EUNJIN Hwang, SEUNGHWAN Kim(Dept. of Physics, Pohang University of Science and Technology), JEE HYUN Choi(Center for Neural Science, Korea Institute of Science and Technology)**Fp-III-005*****Nonlinear Analysis for the Populational Bimodality of Virus-infected Host Cell** / HUR Kyeyeon(School of Interdisciplinary Bioscience and Bioengineering, POSTECH), YOO Joo-yeon(Molecular Genomics and Immunology Laboratory, Department of Life Science, POSTECH), KIM Seung-hwan(Nonlinear & Complex Systems Laboratory, Department of Physics, POSTECH & ATCTP)**Fp-III-006*****Steroid Metabolism of Prostate Cancer and Benign Prostatic Hyperplasia Patients** / 민병준(고려대), 이덕재(서울대), 고광일(고려대), 최만호, 정봉철(한국과학기술연구원 생명보건본부)**Fp-III-007****사회적 제약조건 하에서 유전병 전이 시뮬레이션** / 이승우, 박영익, 김선명

(연세대)

Fp-III-008

Intrinsic Frequency and Physical Connectivity Effects on Functional Connectivity in Coupled Oscillators with Noise / KANG Hunseok, KIM Won Sup, HWANG Dong-Uk, KO Tae-Wook(Computational Neuroscience Team, National Institute for Mathematical Sciences)

Fp-III-009

Dynamics of Neuronal Oscillator Population Receiving Partially Correlated Fluctuating Inputs / KO Tae-Wook(Computational Neuroscience Team, National Institute for Mathematical Sciences(NIMS))

Fp-III-010*

Relaxation dynamics of a confined chain with explicit solvent / KIM Juin, JEON Chanil, JEONG Hawoong(KAIST, Department of Physics), JUNG Youngkyun(KISTI, Supercomputing Center), HA Bae-Yeun(University of Waterloo, Department of Physics and Astronomy)

Fp-III-011*

Semiflexible chains confined in a cylindrical pore / JEON Chanil, KIM Juin, JEONG Hawoong(Department of Physics, KAIST), HA Bae-Yeun(Department of Physics and Astronomy, University of Waterloo), JUNG Youngkyun(Supercomputing Center, KISTI)

Fp-III-012*

Characteristics of bid-ask spread in double auction market / 임규빈(POSTECH), 오갑진(조선대), 김승환(POSTECH)

Fp-III-013

Modeling for Korean Agricultural Market : Application of Lévy Processes / KIM Hongseok(POSTECH, Department of Physics), OH Gabjin (Chosun University, Division of Business Administration), KIM Seunghwan (POSTECH, Department of Physics)

Fp-III-014

Link communities identified by compressing random walks on the network / 김영도, 정하웅(KAIST, 물리학과)

Fp-III-015

Link Weights Estimation for Coupled Oscillators on Complex Networks / 김원섭(국가수리과학연구소), CUI Xue-Mei, 윤장노, 한승기(충북대)

Fp-III-016

네트워크 협조 진화에 변이가 미치는 영향 / 신익철, 정형채(세종대)

Fp-III-017*

Time Irreversibility of Quantum Diffusion in Complex Networks /

SUNG-GUK Han, BEOM JUN Kim(Department of Physics, Sungkyunkwan University)

Fp-III-018*

Connectivity of Random Multiplex Networks / 이규민, 조원국, 고광

일, 김인묵(고려대)

Fp-III-019*

Random-walk Model of Memory-induced Limited Mobility / CHOI

Jeehye, SOHN Jang-Il, GOH Kwang-Il, KIM In-mook(Department of Physics, Korea University)

Fp-III-020

A Multifractal Hierarchical Scale-Free Network and Ising Model on the Network / MOON Joon-Young, PARK Mijin, KIM Seunghwan

(POSTECH, Dept. of Physics, Nonlinear and Complex Systems Lab.)

Fp-III-021

Phase transitions of Blume-Capel model on complex networks /

KWAK Wooseop(Dept. of Physics, Chosun University), HA Meesoon(Dept. of Physics Education, Chosun University)

Fp-III-022

Directed polymer in random potential with an external driving

force / KIM Jin Min(Soongsil University, Department of Physics)

Fp-III-023

웜 알고리즘을 이용한 3차원 XY 모델 임계지수의 몬테칼로 계산 / 신종근, 전인호, 차민철(한양대)

Fp-III-024

Explosive Percolation on Cayley Tree / 채희승, 김엽, 육순형(경희대)

Fp-III-025

Exact Partition Function Zeros and the Collapse Transition of a Sqaure-Lattice Polymer / 이재환(숭실대), 김승연(국립충주대), 이주련(숭실대)

대)

Fp-III-026*

Zero-temperature phase transition in a one-dimensional Ising ferromagnet with a synchronous updating rule / YI Il Gu, KIM Beom

Jun(Sungkyunkwan University)

Fp-III-027*

Site Percolation under Achlioptas Process / CHOI Woosik, KIM Yup, YOOK Soon-Hyung(경희대)

Fp-III-028*

Tunable-Anomalous Suppression of Localization in Quasi-one-dimensional Anderson Model / NGUYEN Ba Phi, 김기홍(아주대 에너지시스템학부)

Fp-III-029

Two-dimensional nonlinear optical maze solver based on nematicisotropic phase transition of liquid crystal / OKABAYASHI Youichi, ISOSHIMA Takashi, KIM Song-Ju, NAMEDA Etsushi, HARA Masahiko(RIKEN-HYU Collaboration Research Center, RIKEN Advanced Science Institute)

Fp-III-030

Reconstruction of probability distribution function from discrete particles with moments conservation / YOON E.S.(KAIST, Department of Physics), CHANG C.S.(Princeton Plasma Physics Laboratory, USA)

2011년 4월 14일 목요일 14:45 - 16:45

장소: 포스터 발표장

Gp-III-001*

문제해결형 탐구실험에서 나타난 영재학생들의 논의 양상 및 논의활동에 대한 인식 / 김현주, 신호심(한국교원대)

Gp-III-002*

레이저를 이용한 빛의 속도 측정과 교육적 활용 / 노재전(삼호초등학교), 이재란, 김석원(울산대)

Gp-III-003

Analysis of Teacher's Guide Book about the Title of Shadow Size
/ KIM Taekyu(Jeonju National University of Education, Department of Science Education)

Gp-III-004*

마이켈슨 간섭계를 이용한 광원의 선폭과 결맞음 길이 비교 / 강동형, 문종천, 박준광, 감향순(부산고), 차명식, 한백석(부산대)

Gp-III-005*

DVD pick up head 시스템을 이용한 현미경의 교육적 활용 / 홍동혁(남외초등학교), 김석원(울산대, 물리학과)

2011년 4월 14일 목요일 14:45 - 16:45

장소: 포스터 발표장

Hp-III-051

Measurements of ion temperature and rotation velocity profile with the CVI line in KSTAR / KO Won-Ha, LEE H., OH S.(NFRI), PARK Y. D., OH S. G.(Ajou University), LEE J. H., KWON M.(NFRI)

Hp-III-052*

Measurement of ion temperature and toroidal rotation velocity using charge exchange recombination spectroscopy in Heliotron J / LEE Hyunyoung(Kyoto Univ., GSES), KOBAYASHI Shinji(Kyoto Univ., IAE), MINAMI Takayuki(Kyoto Univ., GSES), KADO Shinichiro(Univ. of Tokyo, GSE), MIZUUCHI Tohru, NAGASAKI Kazunobu, OKADA Hiroyuki, MINAMI Takashi, YAMAMOTO Satoshi(Kyoto Univ., IAE), MURAKAMI Sadayoshi(Kyoto Univ., GSE), NAKAMURA Yuji(Kyoto Univ., GSES), HANATANI Kiyoshi, KONOSHIMA Shigeru(Kyoto Univ., IAE), OHSHIMA Shinsuke(KUPRU), TAKEUCHI Masaki(Kyoto Univ., IAE), MUKAI Kiyofumi(Kyoto Univ., GSES), SANO Fumimichi(Kyoto Univ., IAE)

Hp-III-053

Motional Stark Effect diagnostics for KSTAR / CHUNG Jinil(National Fusion Research Institute), HOWARD John(Australian National University), DE BOCK Maarten(Eindhoven University of Technology)

Hp-III-054

Design and installation of far infrared interferometer on KSTAR / JUHN June-Woo, NAM Yong-Un(National Fusion Research Institute)

Hp-III-055

Analysis of Millimeter-wave Interferometer Data and Fringe-jump Compensating Techniques for High Density Plasma / NAM Yong Un(National Fusion Research Institute)

Hp-III-056

Progress Of KSTAR Thomson Scattering System / LEE Jongha, OH Seung Tae, WI Hanmin(NFRI)

Hp-III-057

ECE Diagnostic at the KSTAR Tokamak / LEE Kyu-Dong(National Fusion Research Institute), JEONG Seung Ho(Korea Atomic Energy Research Institute), LEE Tae Gu(National Fusion Research Institute)

Hp-III-058

X-ray Imaging Crystal Spectrometer for KSTAR / YOO J. W.(University of Science and Technology, Nuclear Fusion), LEE S. G., KWON Myeun(National Fusion Research Institute), SHI Y.J.(Institute of Plasma Physics, Chinese Academy of Science)

Hp-III-059

Infrared Imaging Video Bolometer System for KSTAR / SEO Dongcheol(국가핵융합연구소), PETERSON Byron(National Institute for Fusion Science)

Hp-III-060

Diamagnetic loop measurement in KSTAR machine / 박준교, 이상곤, 김흥수(국가핵융합연구소)

Hp-III-061*

KSTAR 연 X-선 진단 및 전자온도 측정을 위한 초고속 토로이달 X-선 핀홀 카메라 진단계 설계 및 개발 / 장시원, 홍주환, 이승현(KAIST, 물리학과), 이상곤(국가핵융합연구소(NFRI)), 문명국(한국원자력연구원(KAERI)), 최원호(KAIST, 물리학과)

Hp-III-062*

연 X-선 진단계를 이용한 KSTAR H-mode 운전 방식에서의 전자 온도 측정 / 이승현, 최원호(KAIST, 물리학과)

Hp-III-063

핵융합로 경계 플라즈마 시뮬레이터에서의 헬륨 플라즈마 광 방출 스펙트럼의 측정 / 오차환, 박경득, 우현중, 정규선(한양대)

Hp-III-064

Modeling of NBI heating and current drive with different types of NBI-device configuration in KSTAR / TERZOLO Laurent, KWON J. M., KIM J. Y.(National Fusion Research Institute)

Hp-III-065*

수소 누설거동분석을 위한 터보분자펌프의 수소 배기량 보정실험 / 이석관, 최민식, 온연길, 편한별, 김희수(단국대), 정보현(한국연구재단 핵융합단), 노승정(단국대)

Hp-III-066

고순도 탄소타일에 대한 전자빔 고열부하조사 기초실험 / 김희수, 이석관, 이두형, 최민식, 노승정(단국대), 권진중, 박준규, 이철의(고려대)

Hp-III-067

Brewster's Effect in the Magnetohydrodynamic Wave Propagation

/ 유대중, 김기홍(아주대 에너지시스템학부)

Hp-III-068

하세가와-와카타니 모델 플라즈마의 요동 잡음 특성에 관한 연구 / 김창배, 안찬용, 민병훈(숭실대)

Hp-III-069

Simulation Study of Li Transport in a Tokamak / 김규호, 서장훈(KAIST, 물리학과), 박건영(NFRI), 장충석(New York University)

Hp-III-070*

Analysis of L- to H-mode Transition Power Threshold in KSTAR Experiments / KIM Hyunseok(Department of Energy System Engineering, Seoul National University), KIM Ki Min(Center for Advance Research in Fusion Reactor Engineering), LEE Wonjae(Department of Energy System Engineering, Seoul National University), TERZOLO Laurent, JEON Young-Mu, YOON Si Woo(National Fusion Research Institute), AHN J.-W.(Oak Ridge National Laboratory), NA Yong-Su(Department of Nuclear Engineering, Seoul National University)

Hp-III-071

토카막 센터 영역에서의 ITG simulation / 서장훈(KAIST), 구승희, 장충석(NYU)

Hp-III-072

플라즈마 구동 시나리오가 KSTAR PF circulator에 미치는 영향 / LEE HyunJung, PARK Y. M., MOON K. M., PARK D. S., JOO J. J., YANG H. L.(NFRI)

Hp-III-073

Design and Construction of Dust Removal Device for Fusion Devices / JOO S.-K., WOO H.-J., CHO S.-G.(Dept. of Electrical Engineering & Center for Edge Plasma Science (cEps), Hanyang University), HONG S.-H.(KSTAR Research Center, National Fusion Research Institute), PARK E.-K., OH Y.-S., PARK S.-J., CHUNG K.-S.(Dept. of Electrical Engineering & Center for Edge Plasma Science (cEps), Hanyang University)

Hp-III-074*

Plasma Uniformity Enhancement Of Large-area Capacitively Coupled Plasmas / 김호영, 권형철, AMAN-ur-Rehman, 김정형(포항공대), 김대웅(한국과학기술원 물리학과), 유신재(한국표준과학연구원), 이재구(포항공대)

Hp-III-075

유도결합 분자기체 방전의 E-H mode transition 특성에 관한 연구 /

이영욱, 이해란, 정태훈(동아대)

Hp-III-076

Electrode Material Effect on Electron Density in Capacitive Coupled Plasma / 김은애, 조무현(포항공대), 장홍영(한국과학기술원, 물리학과), 남궁원(포항공속기연구소)

Hp-III-077*

마이크로 플라즈마 유전체 격벽 방전에서의 고조파의 특성 연구 / 이정열, 배효원, 심승보, 송인철, 이해준(부산대)

Hp-III-078*

Study on Diocotron Instability of a Hollow Electron Beam Confined in an Axial Magnetic Field / 정승일(부산대), 정모세(한동대), 이해준(부산대)

Hp-III-079*

마그네트론 스퍼터링의 전산모사 / 허민영, 양부승, 김민경, 배효원, 송인철, 이호준, 이해준(부산대)

Hp-III-080*

원통형 홀 추력기의 채널길이에 따른 플라즈마 특성 및 성능 연구 / 이종섭, 서미희(KAIST, 물리학과), 선종호(경희대), 최원호(KAIST, 물리학과)

Hp-III-081*

홀 추력기 저주파 요동현상 연구 / 서미희, 이종섭(KAIST, 물리학과), 선종호(경희대), 최원호(KAIST, 물리학과)

Hp-III-082

플라즈마 밀도에 따른 나노입자의 성장속도, 공간분포, 표면형태 차이 연구 / 최원호, 채길병(KAIST, 물리학과)

Hp-III-083

Al/ZnO₂ 박막 입자 표면 성장에 관한 연구 / 이봉주, 정진(조선대)

Hp-III-084

Disinfection of E.coli using underwater plasma in seawater / HONG eun jung(국가핵융합연구소, 환경공학)

Hp-III-085*

Comparative evaluation of global warming effects during silicon nitride etching using SF₆/O₂ and C₃F₆/O₂ chemistries / KIM Il Jin, LEE Jung Hun(Sungkyunkwan University, Advanced Materials Science & Engineering), CHO Sang Hyun(ATTO Ltd), LEE Nae Eung(Sungkyunkwan

Hp-III-086

Production of syngas from CO_2 plasma at atmospheric pressure /
LEE SANG JU, HONG YONG CHEOL, SHIN DONG HUN, KIM YE JIN, SHIN
YONG WOOK, LEE BONG JU(국가핵융합연구소)

Hp-III-087

**Development of multi-phase ac source for underwater capillary
discharge and its application to sterilization /** KIM ye jin, HONG
yong cheol, LEE sang ju, LEE bong ju(National Fusion Research Institute)

Hp-III-088

**Magnetron sputtering법을 이용한 초전도 Nb 박막소재의 RF 성능한계
확장을 위한 연구 /** 이익재, 손영욱, 박용준, 박인수, 권혁채(포항가속기연구
소), 김귀년(경북대)

Hp-III-089*

대기압 플라즈마 젯의 활성종 제어를 위한 기체 및 액체 혼합 연구 / 박상
후, 정희수, 최원호(KAIST, 물리학과)

Hp-III-090

생의학적 응용을 위한 대기압 DBD 발생원의 제작 및 특성 연구 / 김선자,
정희수, 박상후, 최원호(KAIST 물리학과)

Hp-III-091

**Development of an atmospheric pressure plasma jet module for
300mm semiconductor wafer processing /** YOO Seungryul, LHO
Taihyeop, SEOK Dongchan, PARK Hyunjae, PARK Junseuk, HONG
Yongcheol, LEE bongju(National Fusion Research Institute, Convergence
Plasma Research Center)

Hp-III-092

Al/ZnO₂ 박막 성장 입자 구조 결함에 관한 연구 / 이봉주, 정진(조선대)

Hp-III-093

Al/ZnO₂ 박막의 XRDML 관한 연구 / 이봉주(조선대)

2011년 4월 14일 목요일 14:45 - 16:45

장소: 포스터 발표장

Kp-III-066***A-Si:H TFT와 a-SiGe:H TFT의 Photo Stability 비교** / 허양욱, 전호식, 배병성(호서대)**Kp-III-067*****산소함량에 따른 비화학량적 TiO_x 박막의 단극성 저항변화 메모리 효과** / 임근용, 김민철, 박재희, 최석호(경희대 응용물리학과), 홍승휘, 김경중(한국표준과학연구원 나노소재평가센터)**Kp-III-068****Memory Effect of Cobalt Nanocrystals Formed in SiO_xNy for NFGM** / 한문섭, 김현승, 장승훈, 한동우(서울시립대)**Kp-III-069*****In₂O₃:CNT 분말 타겟을 스퍼터링하여 Sapphire 기판위에 증착한 In₂O₃:C 박막의 특성** / 강현철, 김주현(조선대)**Kp-III-070*****Ag를 도핑시킨 ZnO 박막의 제조 및 특성 분석** / 강현철, 안병곤(조선대)**Kp-III-071****Lithography on a few graphene using local oxidation with Atomic Force Microscope** / 이성준, 배진호, 고석남, 이문선, 이용윤, 손맹호, 안도열(서울시립대)**Kp-III-072*****Aluminum 매개 다결정 실리콘 막의 특성분석** / 김해봉, 박성진, 김범준, 금창민, 배병성(호서대)**Kp-III-073****열산화 반응을 이용한 나노결정 형성에 관한 연구** / 한문섭, 한동우, 장승훈, 김현승(서울시립대)**Kp-III-074*****산소가 줄어든 산화흑연을 이용한 그래핀의 전하 중심점 이동** / 정성환, 이상욱, 이인열, 김길호(성균관대)**Kp-III-075*****Magnetotransport in top-gated graphene** / 고석남, 배진호, 이문선,

이성준, 이용윤, 손맹호, 안도열(서울시립대)

Kp-III-076*

Powder target sputtering 방법으로 증착한 $\text{In}_2\text{O}_3\text{-Ga}_2\text{O}_3/\text{Sapphire}(001)$ 박막의 제조 및 물성 분석 / 강현철, 박신영(조선대)

Kp-III-077

Characterization of ZnO-based Thin Film Transistors (TFTs) Fabricated by using RF Magnetron Sputtering Technique / KIM Youngill(Department of Nano Science and Technology, University of Seoul), KIM Eunkyeom(Department of Nano Engineering, University of Seoul), JEONG Jaekyu, PARK Kyoungwan(Department of Nano Science and Technology, University of Seoul)

Kp-III-078*

Controllable graphene P-N junctions / 이문선, 고석남, 배진호, 이성준, 이용윤, 손맹호, 안도열(서울시립대)

Kp-III-079*

SrCu_2O_2 films grown on sapphire substrates by pulsed laser deposition / TAMBUNAN Octolia Togibasa, HADIYAWARMAN Hadiyaharman, LEE Bo Wha, JUNG Chang Uk, LIU Chunli(Department of Physics, Hankuk University of Foreign Studies)

Kp-III-080

CBD법으로 성장된 ZnS 박막의 두께와 열처리 온도 변화에 따른 특성 연구 / 박승민, 황영훈, 안희진, 김형민, 엄영호(울산대)

Kp-III-081

선형대향타겟 스퍼터로 PET 기판위에 성장시킨 플렉시블 IZTO 전극의 특성 연구 / 신현수, 김한기(경희대)

Kp-III-082

유리 위에 올린 CGS 박막의 특성 연구 / 유승희, 윤성민, 박효원, 남윤성, 정인승, 정광호, 백경선, 장수경(연세대)

Kp-III-083*

구리 전기도금법을 이용한 3차원 실장용 TSV 충전 / 노상수, 최은혜, 이원혁, TWENEBOAH-KODUAH Samuel, 이연승, 주현진, 나사균(한밭대), 김동규((주)이넥트론), 이병주(나노종합팩센터)

Kp-III-084

Structural & Optical Properties Of CZTS Thin Films For Solar Cell Applications / 우현석, 전기영, INAMDAR A. I., 이민영, 임현식, 정웅, 김형상(동국대)

Kp-III-085

Electrodeposited Polyaniline (PANI) Thin Films For Electrochemical Supercapacitor Application / 주해리, 김영삼, 손재상, INAMDAR A. I., 임현식, 정웅, 김형상(동국대)

Kp-III-086*

Physical and electrical characteristics of hydrogen ion irradiation into TiO₂ films / 여창수, 박진성(단국대), 송진호, 조만호(연세대), 송종한(한국과학기술원, 나노분석센터), 정권범(단국대)

Kp-III-087*

Graphite/Ni 혼합 박막의 열처리에 의한 그래핀의 제작 및 특성 연구 / 양승범, 신동열, 신동희, 김창오, 김성, 최석호(경희대 응용물리학과)

Kp-III-088*

크기가 조절된 Si 나노결정층 위에서 굴곡이 변화된 그래핀의 라만 및 전기전도 특성 연구 / 신동희, 양승범, 박재희, 신동열, 김성, 최석호(경희대 응용물리학과), 최홍규, 최성율(한국전자통신연구원)

Kp-III-089

Pt 버퍼층을 사용한 In₂O₃ 박막의 광학 및 전기적 특성 / 조신희, 이대호(신라대)

Kp-III-090*

Control of bipolar switching in amorphous tungsten oxide films by using oxygen stoichiometry / 장병욱, 김종민, INAMDAR A. I., 정웅, 임현식, 손용준, 김형상(동국대)

Kp-III-091

Photocurrent-response properties for the photoconductive AgGaSe₂ layers / HONG Kwangjoon(Department of Physics, Chosun University)

Kp-III-092*

Rapid phase change speed and phase separation of In-Ge-Sb-Te system / 박성진, 박승중, 안민, 박담비(연세대), 장문형(Univ. of Pennsylvania), 조만호, 고대홍(연세대)

Kp-III-093

Properties and optimum conduction of crystal growth for ZnO layers grown by PLD method / HONG Kwangjoon(Department of Physics, Chosun University)

Kp-III-094

Faraday's Induction in Nano-Transformer with Oxide Layer /

배진호, 고석남, 이문선, 이성준, 이용윤, 손맹호, 안도열(서울시립대)

Kp-III-095*

ZTO 기반 투명 산화물 TFT용 다층 투명 ZTO/Ag/ZTO Source/ Drain 전극 특성 연구 / 최윤영, 최광혁, 김한기(경희대)

Kp-III-096

진공증착 법으로 제작한 Cu_8GeSe_6 박막의 구조 및 광학적 특성 / 이정주, 박창영, 한동현, 이종덕, 김건호(경상대)

Kp-III-097

유리 기판 위에 증착한 버퍼층의 열처리 온도 변화에 따른 CuO 박막의 특성 / 조신호, 최정규(신라대)

Kp-III-098*

Effect of oxygen vacancy on thermoelectric compound $\text{Bi}_2\text{O}_2\text{Se}$ / VAN QUANG TRAN(Department of Physics, Ajou University), MIYOUNG KIM, HANJO LIM(Division of Energy System Research, Ajou University)

Kp-III-099*

Effect of initial defect on conduction process in the resistive switching material of TiO_2 / 임동혁, 정광식, 송진호, 손영덕, 김가연, 조만호(연세대)

Kp-III-100*

Electrical properties of WSi_2 nanocrystal memory with $\text{Al}_2\text{O}_3/\text{HfO}_2/\text{Al}_2\text{O}_3$ and $\text{SiO}_2/\text{HfO}_2/\text{Al}_2\text{O}_3$ tunnel layer improvement of thermal stability / LEE Hyo Jun, LEE Dong Uk, KIM Dongwook, KIM Eun Kyu(Department of Physics, Hanyang University), SON Jung-Woo, CHO Won-Ju(Department of Electronic Materials Engineering, Kwangwoon University)

Kp-III-101*

다양한 전처리 방법에 따른 구리 산화막의 변화 / 주현진, 나사균, 이용혁, 노상수, 최은혜, TWENEBOAH-KODUAH Samuel, 이연승(한밭대), 전용석(전주대)

Kp-III-102

A 300 nm Scale Trench Gate n-MOSFETs Power Device / KIM Sang Gi, YANG Yil Suk, NA Kyoung Il, KOO Jin Gun, KIM Jongdae, LEE Jin Ho (ETRI)

Kp-III-103

플라즈마 처리에 따른 a-Ga-In-Zn-O 표면의 분광 변화 연구 / KANG Se Jun, BAIK Jae Yoon, THAKUR Anup, KIM Hyeong Do, SHIN Hyun-Joon(포항공대), CHUNG JaeGwan, LEE Jaecheol, LEE JaeHak(삼성종합기술원,

Kp-III-104*

Modification of ZnO properties as a function of annealing processes and ambient gas / 박현우, 옥경철, 서태원, 박진성, 정권범(단국대)

Kp-III-105*

분광타원편광분석법을 이용한 Sol-gel ZrO_2 박막의 열처리 온도에 따른 광 특성 연구 / 황순용, 김태중, 변준석, 김영동(경희대), 황수민, 이승묵, 주진호(성균관대)

Kp-III-106

Al-doped ZnO (AZO) 박막의 두께와 열처리 온도에 따른 특성 연구 / 김형민, 황영훈, 박승민, 안희진, 엄영호(울산대)

Kp-III-107

Temperature dependence of energy band gap for $ZnAl_2Se_4$ single crystal thin film by Hot Wall Epitaxy / MOON Jongdae (Department of Electrical Engineering, Dongshin University), HONG Kwangjoon(Department of Physics, Chosun University)

Kp-III-109

Effect of RTA thermal annealing for ZnO:Li thin film grown by using PLD method / HONG Kwangjoon(Department of Physics, Chosun University)

Kp-III-110

$ZnAl_2O_4$ 및 $ZnAl_2O_4:Mn$ 결정의 광학적 특성 / 최성휴(조선대), 방태환(성화대)

Kp-III-111

전도성 다이아몬드 생성 및 전기적 특성 연구 / 문성수, 김현정(동국대), 이우진, 김태규(부산대)

Kp-III-112*

Physical properties of Y-doped ZrO_2 film: Study of photoelectron spectroscopy, electrical measurement and DFT calculation / 정광식, 송진호, 임동혁, 조만호(연세대)

Kp-III-113*

Effect of inserted Titanium oxynitride layer on resistive switching in $Pt/TiO_x/TiO_xN_y/TiO_y/Pt$ stack matrix / LEE Ah Rahm, BAE Yun Ceol(Novel Functional Materials and Devices Lab., Department of Physics, Hanyang University)

Kp-III-114

Growth and electric properties for MgGa_2Se_4 single crystal thin film by hot wall epitaxy / YOU Sangha, HONG Kwangjoon(Department of Physics, Chosun University)

Kp-III-115

Carrier charging mechanism of WSi_2 nanocrystal memory with $\text{Si}_2\text{N}_4/\text{HfAlO}$ staggered tunnel layer / LEE Dong Uk, LEE Hyo Jun, KIM Eun Kyu(Department of Physics, Hanyang University), YOU Hee-Wook, CHO Won-Ju(Department of Electronic Materials Engineering, Kwangwoon University)

Kp-III-116*

Transport mechanism and spectral photoresponse of $\text{Cu}(\text{In,Ga})\text{S}_2$ thin film solar cells / 조윤대, 이은송이, 김동욱(이화여대)

Kp-III-117*

잉크젯 프린팅된 구리배선의 급속열처리 환원 특성연구 / 정진아(경희대), 구재본, 유인규(한국전자통신연구원), 김성은, 전병호(삼성전기, AMD Lab), 김한기(경희대)

Kp-III-118

Optical and electrical properties of a-Hf-In-Zn-O thin films deposited by RF sputtering / THAKUR1 Anup(Pohang Accelerator Laboratory, Pohang University of Science and Technology), KANG Se Jun(Department of Physics, Pohang University of Science and Technology), BAIK Jae Yoon(Pohang Accelerator Laboratory, Pohang University of Science and Technology), YOO Hanbyeol(Department of Physics, Pohang University of Science and Technology), LEE1 Ik-Jae, LEE Han-Koo, JUNG Seonghoon, PARK Jaehun(Pohang Accelerator Laboratory, Pohang University of Science and Technology)

Kp-III-119*

Dielectric Function and Luminescence of Cuprous Oxide Thin Films / 박준우, 장형근, 김성, 최석호, 이호선(경희대), KANG Joongoo, WEI Su-Huai(National Renewable Energy Laboratory, USA)

Kp-III-120

Modulation of Spin-transport and Spin-minibands in a Magnetic Superlattice / KIM Nammee, KIM Jinwoo, KIM Heesang(Dept. of Physics, Soongsil University)

Kp-III-121

Analysis of point defect from photoluminescence spectra in ZnSe layers / HONG Kwangjoon(Department of Physics Chosun University)

Kp-III-122

IGBT의 self turn on을 유발할 수 있는 parameter와 SOA에 관한 연구 /
배상욱(경북대), 박동현(LG전자), 강신원(경북대)

Kp-III-123*

Properties of Cuprous Oxide Semiconductor Prepared by Thermal Oxidation / PARK Min-Suck, CHOI Hak-Soon, JEONG Il-Kyo, SHIN Moon-Su, SON Min-Ho, UM Ja Yoon, KIM Heonho(Department of Physics and Energy Harvesting-Storage Research Center, University of Ulsan), LEE DongKi(Sejong Science High School), KIM Y. S.(Department of Physics and Energy Harvesting-Storage Research Center, University of Ulsan)

Kp-III-124*

전기 도금 시 anode변화에 따른 전착된 구리 박막의 변화 / 이용혁, 노상수, 최은혜, TWENEBOAH-KODUAH Samuel, 이연승, 주현진, 나사균(한밭대)

Kp-III-125

Role of Cu Active Layer and Post-Annealing Temperature on Resistance Switching Characteristics of HfO₂ Films / JONGGI Kim, HEEDO Na, SUNGHOON Lee, HYUNCHUL Sohn(Yonsei University)

Kp-III-126

Void formation in Ge₂Sb₂Te₅ film / 박승중, 안민, 박성진, 박담비, 조만호(연세대)

Kp-III-127*

Ellipsometric study of solution-processed InGaZnO thin films / YOON Jae Jin, DIWARE Mangesh, JUNG Yong Woo, GHONG Tae Ho, KIM Young Dong(Nano-Optical Property Laboratory and Department of Physics, Kyung Hee University), CHOI Jun Hyuk, HWANG Soo Min, JOO Jinho(School of Advanced Materials Science and Engineering, Sungkyunkwan University)

Kp-III-128

Optical Properties of Undoped and Er-doped ZnAl₂O₄ Crystals /
최성휴(조선대), 방태환(성화대), 김남오(조선이공대학, 전기과)

2011년 4월 14일 목요일 14:45 - 16:45

장소: 포스터 발표장

Lp-III-001

Characteristics of transition radiation detector using crystal-PMT readout system / KIM K. S., LEE M. W., KIM G. N., KIM K. (Center for High Energy Physics, Kyungpook National University), COMMICHAU V., VON GUNTEN HP., LUSTERMAN W., ROESER U., HERMANN P., VIERTEL G. M. (ETH Zurich, Labor fuer Hochenergiephysik, Zurich Switzerland)

Lp-III-002

New Radio Array for Astrophysical Transients in Low Frequency Waveband / KIM Soon-Wook (Korea Astronomy and Space Science Institute)

Lp-III-003

Long Term Structural Change of Water Masers in Star-forming Regions / KIM Soon-Wook (Korea Astronomy and Space Science Institute), KIM Jeong-Sook (Korea Astronomy and Space Science Institute & Kyunghee University)

2011년 4월 15일 금요일 09:00 - 11:00

장소: 포스터 발표장

Dp-IV-165*

Structural study of plasma deposited carborane($C_2B_{10}H_{12}$) film on Si wafer / KIM Jae-Yong, LEE Sangyong, LEE Sang-Hwa(Department of Physics, Hanyang University), WOO Hyun-Jong(Department of Electrical Engineering, Hanyang University), HONG Suk-Ho(National Fusion Research Institute), PARK Sang-Joon, PARK Eun-Kyung, CHUNG Kyu-Sun(Department of Electrical Engineering, Hanyang University)

Dp-IV-166*

나노 크기의 $BaTiO_3$ 시료 제조와 전기적 성질 연구 / 백창규, 김맥, 최현우(부산대), 양용석(부산대학교 나노융합기술학과)

Dp-IV-167*

Study on Switching Probability of Critical Currents in a Al-CNT-Al Josephson Junction / 안예환, 김범규, 노현호, 김남(한국표준과학연구원), 도용주, 최만수(고려대), 김주진(전북대), 이길호, 이후중(포항공대)

Dp-IV-168

The Fabrication of a Long Clean 1D Wire by Using Metallic Gates / 오영현, 서민기, 정윤철(부산대)

Dp-IV-169*

Tunnelling Magnetoresistance of Magnetic Tunnel Junctions with FM/I/NM/FM structures / 최창식, 이병찬(인하대)

Dp-IV-170*

Theoretical Study On The Current-Induced Domain Wall Creep / RYU Jisu(POSTECH, Department of Physics), CHOE Sug-Bong(SNU, Department of Physics), LEE Hyun-Woo(POSTECH, Department of Physics)

Dp-IV-171*

나노 다결정 $SrTiO_3$ 의 구조적, 전기적 특성 / 김맥, 손민지, 양용석(부산대)

Dp-IV-172

Physical Properties of Metallic and Semiconducting Single-walled Carbon Nanotubes / PARK Young Ran, LEE Cheol Jin(Korea University, School of Electrical Engineering)

Dp-IV-173

Partial hydrogenation of graphene due to adsorption of hydrogen molecules / 김병훈, 홍성주, 김해진, 홍원기, 김정민(한국기초과학지원연구원), 이상욱(건국대), 박영우(서울대)

Dp-IV-174*

Raman Spectroscopy of GaAs and GaAs/AlGaAs Nanowires / 박소연, 김진홍, 노희석(전북대), 이은혜, 송진동, 이정일(한국과학기술원 나노융합소재센터)

Dp-IV-175*

주사탐침현미경을 이용한 탄소나노튜브 네트워크 소자의 동작 특성 연구 / 정희성, 조성윤, 임종혁, 안영환, 이순일, 박지용(아주대)

Dp-IV-176*

First-principles Study of Chiral Orbital Angular Momentum in Topological Insulators / HAN Jinhee, CHOI Hyung Joon(Department of Physics and IPAP, Yonsei University)

Dp-IV-177

CVD 그래핀을 이용한 나노리본 전자소자의 전기적 물성에 관한 연구 / 이윤희, 이종희(고려대)

Dp-IV-178

First-principles Study of Electronic Structures in TiS_2 and TiO_2 / KIM Min-kook, CHOI Hyung Joon(Department of Physics and IPAP, Yonsei University)

Dp-IV-179

Structural and optical properties of Cu-doped ZnO thin films by RF sputtering method / 이익재, 성낙언, 손영욱, 유청중, 이한구, 신현준(포항가속기연구소)

Dp-IV-180*

Nanomechanical measurements of Aharanov-Bohm nano-ring coupled to a micro-torsional resonator / KIM Young Duck(Department of Physics & Astronomy, Seoul National University), SHIM Seung Bo(Korea Research Institute of Standards and Science), CHUNG Yunchul(Department of Physics, Pusan National University), PARK Yun Daniel(Department of Physics & Astronomy, Seoul National University)

Dp-IV-181*

Towards a More Efficient Actuation of Individual Single Crystal Aluminum Nitride Nano-mechanical Resonator / CHO Myung Rae, KIM Young Duck, HEO Kwang, HONG Seunghun, PARK Yun Daniel

Dp-IV-182

Enhancement of red emission in aluminum garnet yellow phosphor and translucent ceramic for white LED applications /

정홍채, 박진영(부경대), 유영문(LED-marine convergence Technology R&BD Center), 김종환, 최혜영(동익대), 문병기, 정중현(부경대)

Dp-IV-183*

Domain Wall Effects on Electronic Transport in Graphene Nanoribbons /

KIM Kyung Yeon, CHOI Hyoung Joon(Department of Physics and IPAP, Yonsei University)

Dp-IV-184

CVD 공정을 통한 그래핀의 성장과 투명전극으로의 응용 / 이윤희, 김윤중 (고려대)

Dp-IV-185*

Size-dependent Field Emission Properties of As-grown Single Crystalline Beta- $\text{Na}_{0.33}\text{V}_2\text{O}_5$ Nanowires on Conducting Substrates

/ TRANG Nguyen Thi Hong, SHAKIR Imran, SHAHID Muhammad, 강대준 (Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

Dp-IV-186

Photocatalytic activity of Cu-doped ZnO nanorods /

MOHAN Rajneesh(Mechatronics Engineering, Jeju National University), KARTHIKEYAN K, KIM S.-J.(Mechanical Engineering, Jeju National University)

Dp-IV-187*

Hysteresis in I-V curves and Multiple Andreev Reflections for a Al-CNT-Al Josephson Junctions /

김범규, 안예환, 노현호, 김남(한국표준 과학연구원), 도용주, 최만수(고려대), 김주진(전북대), 이길호, 이후종(포항공대)

Dp-IV-188

가스센서용 ZnO:In 나노로드의 제작 및 특성 / 정중훈, 유일, 유윤식(동익대 물리학과, 부산T융합부품연구소)

Dp-IV-189*

Surface optical phonons in ZnS nanostructures /

김진홍, 노희석(전북 대), 최영진, 박재관(한국과학기술연구원 나노재료센터)

Dp-IV-190

Electronic Structures of Bi_2Se_3 Nanoribbons: A First-Principles Study / LEE Hyungjun, CHOI Hyoung Joon(Department of Physics and IPAP,

Dp-IV-191

RF Magnetron Sputtering 법으로 증착된 Buffer Layer위에 합성한 ZnO 나노구조체의 성장 특성 / 주재형, 서성보, 김동영, 배강, 손선영, 김화민(대구 가톨릭대)

Dp-IV-192

Rabi states of magnetic molecules / KIM Gwang-Hee(Dept. of Physics, Sejong Univ.)

Dp-IV-193*

The Vibrational Spectroscopy and Microscopy for CO on Cu (111) / LEE Minjun, JEON Sangjun, KUK Young(Seoul National Univ.)

Dp-IV-195

Valence band of graphite oxide / JEONG Hae Kyung(대구대), YANG CheolSoo(한국화학연구원), KIM Bong Soo, KIM Ki-jeong(포항가속기연구소)

Dp-IV-196*

Enhancement of light extraction efficiency by coating with ZrO₂ spheres / 문병기, 박진영, 정홍채, 정중현(부경대), 김종환(동의대)

Dp-IV-197*

First-principles study of band-gap opening in graphene on ZrO₂ (111) surfaces under pressure / GOH Jung Suk, CHOI Hyoung Joon(Department of Physics and IPAP, Yonsei University)

Dp-IV-198

Graphene on an atomically-flat high-k substrate SrTiO₃ / KIM Youngwook, KIM Jun Sung(Department of Physics, Pohang University of Science and Technology)

Dp-IV-199

Ni가 첨가된 나노 SnO₂ 가스센서의 감응 특성 / 이지영, 유일, 유윤식(동의대)

Dp-IV-200*

Development of a Cryogenic Scanning Tunneling Microscope with Lateral Positioner and Optical Imager / KWON Jeonghoon, HWANG Beomyong, KIM Sungmin, LEE Minjun(서울대)

Dp-IV-201*

First Principles Study of Amorphous GeSe / HAN Seungwu, LEE Bora, LEE Joo Hee(Materials Science and Engineering, Seoul National University)

Dp-IV-202*

Highly Functional SnO₂/PZT Nanostructured Visible Light Photocatalysts for Efficient Degradation of Organic Pollutants /

SHAKIR Imran, SHAHID Muhammad, LIU Jingling(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

Dp-IV-203*

Optical and Photocatalytic Properties of Lithium Niobate Nanoflakes /

LIU Jingling, SHAKIR Imran, SHAHID Muhammad, 강대준(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

Dp-IV-204

Electrochemical Degradation Characteristics of Partially and Fully Oxidized Conducting Polyaniline (PANI) Nanowire Field-Effect Transistors (FETs) /

LEE Sang-Kwon, LEE Seung-Yong(Chonbuk National University), LIM Hyuneui(Korean Institute of Machinery and Materials (KIMM)), KIM Gil-Sung(Chonbuk National University)

Dp-IV-205*

습도 환경의 영향에 따른 산화아연(ZnO) 나노선 소자의 특성 연구 / 김진웅, 안영환, 이순일, 박지용(아주대)

Dp-IV-206

Spin Frustration At The Three Coupled Circular Quantum Dots /

서민기(한국표준과학연구원), 오영현(부산대), 김남(한국표준과학연구원), 정윤철(부산대)

Dp-IV-207

Spatially extended Kondo resonance state in metallo-porphyrin molecules on Au(111) / 김호원, 정경훈, 윤종건, 강세종(고려대)

Dp-IV-208

Separation of Semiconducting and Metallic Single-walled Carbon Nanotubes by Agarose Gel /

PARK Young Ran, LEE Cheol Jin (Korea University, School of Electrical Engineering)

Dp-IV-209*

Gate Dependent Josephson Effects in a Al-CNT-Al Junction /

김범규, 안예환, 노현호, 김남(한국표준과학연구원), 도용주, 최만수(고려대), 김주진(전북대)

Dp-IV-210*

Superconductivity-enhanced Phase-coherent Transport in

Monolayer Graphene / KIM Minsoo, JEONG Dongchan, LEE Hu-Jong(Department of Physics, Pohang University of Science and Technology)

Dp-IV-211

Effect of shapes on the structure of athermal hard particles with attractive interactions / HAN Youngkyu, KIM Mahn Won(KAIST)

Dp-IV-212

Analysis of Electron Beam cured Epoxy / KIM Jae-yong, SHIN Taegyu, LEE Jungmin(Department of Physics, Hanyang University), CHUNG Hoeil, HWANG Jinyoung(Department of Chemistry, Hanyang University), CHOI Jaehak(Radiation Research Division for Industry & Environment, Korea Atomic Energy Research Institute)

Dp-IV-213*

Characterizations of Different Phase induced by Aggregation of Ionic Liquid in Oil ; Competition between Different Structures / KANG TaeHui, JEON Yoonnam, KIM MahnWon(KAIST, Department of Physics)

Dp-IV-214

A nano-crystalline alginate sodium salt for drug delivery / CHOI Soo-Kyung, CHO Byung-Wook(Department of Biochemical & Chemical Engineering, Chosun University), LEE Chang Hoon(Department of Polymer Science & Engineering, Chosun University)

Dp-IV-215*

Nonradiative Deactivation Mechanism of D_{436} Probe / SHIN Hyo-Sup, KIM Soo Yong(Korea Advanced Institute of Science and Technology, Department of Physics), KIM Sok Won(University of Ulsan, Department of Physics), PACK Chan-Gi(Riken Advanced Science Institute)

Dp-IV-216*

X-ray reflectivity를 이용한 온도에 따른 다층 인지질(phospholipid)의 구조 변화 측정 / 조상혁, 박현준, 송상훈, 김현정(서강대)

Dp-IV-217

Yb^{3+} 함량에 따른 $Gd_3Al_5O_{12}:Er,Yb$ 형광체의 upconversion 특성연구 / 김중환, 최혜영, 성삼식(동익대 물리학과), 노현미, 박진영, 문병기, 정중현(부경대 물리학과)

Dp-IV-218

A Physical Model for the s-shaped Orbital Magnetizations in Hexagonally Packed dsDNAs / LEE Chang Hoon(Department of Polymer Sciences & Engineering, Chosun University)

Dp-IV-219*

Microstructure Control via Non-isothermal Recrystallization in Semiconducting Polymer Thin Film / EVAN Kang, EUNSEONG Kim (KAIST, CSQR, Dept. of Phys.)

Dp-IV-220*

Temperature and Light Intensity Dependence of Polymer Solar Cells with MoO₃ and PEDOT:PSS as Hole Injection Layer / PARK Yongju, NOH Seunguk, LEE Donggu, KIM Jun Young (School of Electrical Engineering and Computer Science, Inter-University Semiconductor Research Center, Seoul National University)

Dp-IV-221*

Configuration dependence of charge transport in pentacene/fullerene heterojunction system: A first-principles study / KIM Han Seul, KIM Yong-Hoon (한국과학기술원, EEWS대학원)

Dp-IV-222

Coherence and Intermittency in the Isotropic Vortex System of MgCNi₃ single crystals / JANG Dongjin (Department of Physics, Sungkyunkwan University), PARK T (Department of Physics, Sungkyunkwan University)

2011년 4월 15일 금요일 09:00 - 11:00

장소: 포스터 발표장

Ep-IV-080

Tunable white light of $K_2GdZr(PO_4)_3:Eu^{3+}$ / 김은식, 장경혁, 시량, 교학빈, 전병천, TAO YUYU, 김미주, 서효진(부경대)

Ep-IV-082

Synthesis of $LiCoO_2$ and Recovery of Valuable Metals from the Used Lithium-Ion Battery Components through Acid Treatment / 하명규, 홍태은, 정의덕(한국기초과학지원연구원 하이테크소재연구부), 양호순(부산대), 홍경수(한국기초과학지원연구원 하이테크소재연구부)

Ep-IV-083*

Extraordinary Transmission of Sound using Membranes / PARK Jong Jin, LEE Seung Hwan, LEE Sam Hyeon, KIM Chul Koo(Yonsei University, Institute of Physics and Applied Physics), PARK Choon Mahn(Anyang University, AEE Center), SEO Yong Mun(Myongji University, Department of Physics)

Ep-IV-084

Removal of Heavy Metal Ions by using Calcium Carbonate Extracted from Starfish Treated by Protease and Amylase / 하명규, 홍태은, 정의덕(한국기초과학지원연구원 하이테크소재연구부), 양호순(부산대), 홍경수(한국기초과학지원연구원 하이테크소재연구부)

Ep-IV-085

A potential red phosphor Eu_3BWO_9 for white light-emitting diode application / SHI LIANG(부경대), HUANG YANLIN(College of Chemistry, Soochow University), 장경혁, 김은식, 전병천, TAO YUYU, 서효진(부경대)

Ep-IV-086

Synthesis and Photoluminescence Study of Eu^{3+} -doped $CaTiO_3$ System / 하명규, 정재선, 배종성(한국기초과학지원연구원 하이테크소재연구부), 양호순(부산대), 홍경수(한국기초과학지원연구원 하이테크소재연구부)

Ep-IV-087

Photophysical characteristics of Sm^{3+} -doped $CaTiO_3$ phosphor under near UV excitation / 하명규, 변미량, 홍태은, 배종성(한국기초과학지원연구원 하이테크소재연구부), 양호순(부산대), 홍경수(한국기초과학지원연구원 하이테크소재연구부)

Ep-IV-088

La_{0.97}P_xV_(1-x)O₄:Eu_{0.03}³⁺ 형광체 분말의 형광특성 / 이동기(신라대)

Ep-IV-089

Analysis of the Resonance Spectrum for a Cylindrical Scatter in Water / 임사회, 박철훈, 김용철, 최만규(UMI, 부설연구소)

Ep-IV-090

Thermally Stimulated Luminescence from LaF₃ Irradiated with X-ray / KIM Taekyu(Jeonju National University of Education, Department of Science Education)

Ep-IV-091

PET용 방사성동위원소 C-11과 Tc-99m의 개발 / 김재홍, 이지섭, 박현, 유인공, 전권수(한국원자력의학원), 김상록, 김석중(한일원자력)

Ep-IV-092

Effect Of Geometry And Symmetry On The Magnetic Properties Of Magnetic Anti-dot Lattice / N. G. Deshpande, M. S. Seo, J. M. Kim, S. J. Lee, Y. P. Lee(Department of Physics, Hanyang University), J. Y. Rhee(Department of Physics, Sungkyunkwan University), K. W. Kim(Department of Information Display, Sunmoon University)

Ep-IV-093

Spontaneous Hall effect of [CoSiB/Pt] multilayer films / LEE Hana, MIN Kiljun, SHIN Sowon, PARK Insung, KIM Hyungjun(Department of Advanced Materials Engineering, Sejong University), NOH Hwayoung(Department of Physics, Sejong University), KIM Taewan(Department of Advanced Materials Engineering, Sejong University)

Ep-IV-094

Effects of rapid thermal annealing on the properties of magnetic tunnel junctions with a synthetic pinned layer / KIM T(Sejong University), SHIN K, MIN K, CHANG J, LEE K(KIST)

Ep-IV-095

V, Mn가 도핑된 Bi₂Se₃ 위상절연체의 전기적 및 자기적 성질 / 최영하, 조나현, 이규준(서강대), 장정원, 김진희(한국표준과학연구원), 정명화(서강대)

Ep-IV-096

Momentum Space Gap Anisotropy of Charge-density-wave Compound SmTe₃ / JU YOUNG Kim, JOO YULL Rhee(성균관대)

Ep-IV-097

The Spontaneous Hall effect : Large Hall resistivity and Hall

angle in [CoFe/Pt] Multilayer /

NOH Hwayoung(Department of Physics, Sejong University), LEE Kyungil(Center for Spintronics Research, Korea Institute of Science & Technology), LEE Hana, MIN Kiljun, KIM Taewan(Department of Advanced Materials Engineering, Sejong University)

Ep-IV-098*

Breakdown near the Metal-Dielectric Contact / 금관필, 김판근, 김양경, 최진영, 정문성(울산대)

Ep-IV-099

Electronic Properties of MgO Films / SANG SU LEE, YUS RAMA DENNY, SUN YOUNG LEE(Department of Physics, ChungBuk National University), HONG CHOL CHAE(Center for Research Instrument and Experimental Facilities, ChungBuk National University), HEE JAE KANG(Department of Physics, ChungBuk National University)

Ep-IV-100

TiO₂ 광산란층의 산화물 나노입자 코팅에 따른 표면특성 연구 / 손상호, 최석철, 이호석(경북대)

Ep-IV-101*

유기첨가제를 이용한 니켈박막의 물성변화 및 70 nm 선폭 trench에 대한 무결점 니켈배선제작 / 최세진, 홍기민(충남대)

Ep-IV-102*

The Interface Studies Of NPB/ITO And NPB/NTCDA/ITO By Measuring Photoemission Spectroscopy / JEON Pyungeun, LEE Hyunbok, LEE Jeyhyun, PARK Soohyung, SHIN Donggeun, CHOI Hyejin, JEONG Kwangho, YEONJIN Yi(Yonsei University)

Ep-IV-103

The thickness dependence of vanadium dioxide thin films deposited by reactive RF magnetron sputter method / SHIN Jun-Hwan, SEO Giwan(ETRI, UST), KIM Bong-Jun, KIM Hyun-Tak(ETRI)

Ep-IV-104

CuInSe₂ 박막태양전지의 미세구조 연구 / 고향주(한국광기술원, 광에너지연구센터), 정채환(한국생산기술연구원, 쏠라시티센터), 김진혁(전남대), 김광복(금호전기, 태양광사업팀)

Ep-IV-105

ArF 레이저를 사용한 WO₃ 박막의 제작 및 특성측정 / 오철민, 배가람, 장은혜, 강준희(인천대)

Ep-IV-106

TiO₂ 산란층의 산화물 코팅에 따른 DSSC의 특성 연구 / 손상호, 이호석, 최석철(경북대)

Ep-IV-107

BaTiO₃ : Eu³⁺ 박막의 구조와 광학적 특성 / 서동주, 오상미(조선대), 김건호(경상대)

Ep-IV-108*

Proton Irradiation Induced Optical Properties in Few Layer Large Scale Graphene / LEE Chul, KIM Jooyoun(Department of Physics, University of Seoul), BAE Sukang(SKKU Advanced Institute of Nanotechnology, SungKyunKwan University), KIM Keun Soo(Department of Physics, Sejong University), HONG Byung Hee(SKKU Advanced Institute of Nanotechnology, SungKyunKwan University), CHOI Eunjip(Department of Physics, University of Seoul)

Ep-IV-109*

Electrical Transport Characteristics of Graphene-Oxide Thin Films / VENUGOPAL Gunasekaran(Dept of Mechanical System Engg, Jeju National University), KIM Sang Jae(Dept. of Mechatronics Eng., Jeju National University)

Ep-IV-110

Anomalous Kinetic Roughening by Chemical Reaction-limited Aggregation / LEE I.J., PARK Eul-doo(Department of Physics, Research Institute of Physics and Chemistry, Chonbuk National University)

Ep-IV-111

In situ X-ray photoemission spectroscopy study of atomic layer deposition of TiO₂ on Silicon substrate / LEE Seung Youb, JEON Cheolho, KIM Yoo Seok, PARK Chong-Yun(BK21 Physics Research Division and Center for Nanotubes and Nanostructured Composites (CNNC), Sungkyunkwan University), KIM Seok Hwan, AN Ki-Seok(Device Materials Research Center, Korea Research Institute of Chemical Technology)

Ep-IV-112

이중 발광층 구조를 가진 백색 유기발광소자에서 전하이동도의 변화에 따른 발광 스펙트럼 변화 / 전영표, 권원주, 추동철, 김태환(한양대)

Ep-IV-113

유기 쌍안정성 메모리 소자의 전하수송 메커니즘에 대한 이론적 고찰 / 고성훈, 유찬호, 김태환(한양대)

Ep-IV-114

Size-homogeneous gold nanoparticle decorated on graphene via

MeV electron beam irradiation / KIM Yooseok, SONG Wooseok, JEON Cheolho, LEE Seung Youb, KIM Sung Hwan, PRAK Chong-Yun(BK21 Physics Research Division, Sungkyunkwan University)

Ep-IV-115*

Non-volatile Resistive Switching Property of Copper Sulfide and Its Dependence on Electrode / LEE Sangbin, CHO Soohaeng(Yonsei University, Department of Physics), CHOI Sang-Jun(Samsung Electronics Co. Ltd, System LSI), YANG Woo-Young, KIM Ki-Hong(Samsung Electronics Co. Ltd, Corporate Technology Operations SAIT)

Ep-IV-116

절연성 고분자 poly(methyl methacrylate) 박막층 안에 분산된 SnO₂ 나노 입자를 사용하여 제작한 유기 쌍안정성 소자의 안정성 / 한규완, 윤동렬, 김태환(한양대)

Ep-IV-117

저온에서 Hydropolymer를 이용한 ZnO 나노입자 염료 감응형 태양전지 / 권병욱, 손동익, 최원국(한국과학기술연구원)

Ep-IV-118

양성자빔을 이용한 금 나노입자 생성 / 정명환, 나세진, 김계령(한국원자력연구원 양성자기반공학기술개발사업단)

Ep-IV-119*

자구벽 운동에서 뺨기형 나노선을 이용해 작동 전류 밀도를 줄이는 새로운 방법 / 김갑진, 윤상준, 최석봉(서울대)

Ep-IV-120

Silicon Oxide Nanowires Grown on Cu/Si Templates by Using Thermal Annealing / 이우영, 주미연, 김진교(경희대)

Ep-IV-121

치아우식증 진단을 위한 CNT 전자방출원 기반 X선 소스의 전계방출 특성 / 정순신, 김대호, 설승권, 장원석(한국전기연구원), 박규창(경희대)

Ep-IV-122

High Rectification in Oxide p-i-n Nanojunctions / 최택집(세종대), LEE Ho Nyung(Oak Ridge National Laboratory)

Ep-IV-123

Study on the LSPR sensitivity of Ag nanodot array using FDTD simulation / JEONG Jea-woo, JEON Bo-Geon(Department of Materials Science and Engineering, Chungnam National University), LEE Tae-Soo, SON Vo-Thanh (Graduate School of Green Energy Technology, Chungnam National

University), JEONG Jong-Ryul(Department of Materials Science and Engineering, Chungnam National University)

Ep-IV-124

나노복합체를 사용한 유기물/무기물 혼합 발광소자의 발광 특성과 발광 메카니즘 / 이광섭, 추동철, 김태환(한양대)

Ep-IV-125

일방향 정렬된 실리콘 나노와이어-고분자 복합체를 이용한 굴곡이 있는 기판 위의 트랜지스터 제조 / 박원일, 이동현, 손광수, 이원우, XIA Fan(한양대)

Ep-IV-126

Crystal growth and optical properties for Nd:GdVO₄ rod crystal by high-energy ball milling / YANG Hyun Kyoung(동의대), MOON Byung Kee, CHOI Byung Chun, JEONG Jung Hyun(부경대), KIM Jung Hwan(동의대)

Ep-IV-127*

Effect of Catalyst Pretreatment on The Yield Improvement of Double-Walled Carbon Nanotubes / KO J. S., CHOI I. S., LEE N. S. (Faculty of Nanotechnology and Advanced Materials Engineering, Sejong University)

Ep-IV-128*

CMOS 온도 조절기 위에서의 전기영동법으로 부착된 SnO₂ 나노입자를 이용한 수소 감지 특성 연구 / 방성우, 박진형, 곽영렬, WANG Jianwei(성균관대), 맹성렬(우석대), 김길호(성균관대)

Ep-IV-129*

Threshold switching behaviors of VO₂ thin film planar junctions with micron-gaps / 손아름, 송미선, 윤석현, 김동욱(이화여대), 박종혁, 김봉준, 신준환, 서기완, 김현택(ETRI (한국전자통신연구원))

Ep-IV-130

TaN-Al₂O₃-SiN-SiO₂-Si 구조를 가진 flash 메모리 소자의 인접 셀 간거리 변화에 따른 셀 사이의 간섭 효과 / 박훈민, 김경원, 유주형, 김태환(한양대), 이근우(하이닉스반도체, 연구개발부)

Ep-IV-131

다중벽 탄소나노튜브를 이용한 수소저장 특성평가 / 조형근, 김창득, 이성엽, 이형락(경북대)

Ep-IV-132*

Visible Light Photocatalytic Response from Mesoporous ZnO -

TiO₂ Core Shell Structures / ALI Zahid, SHAKIR Imran(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University), LIU Jingling(Department of Physics, Department of Energy Science, Institute of Basic Sciences, SKKU Advanced Institute of Nanotechnology, Sungkyunkwan University), 강대준(Department of Physics, Department of Energy Science, Institute of Basic Sciences, Sungkyunkwan University)

Ep-IV-133*

V₂O₅ Nanorod 구조를 이용한 가스 센서 특성연구 / 오은지, 강만일, 김석원(울산대), 박효열(울산과학대학, 전기전자학부)

Ep-IV-134

나노 입자를 포함한 고분자 박막으로 제작한 비휘발성 메모리 소자의 셀의 유무에 따른 소자의 안정성 / 이민호, 윤동열, 김태환(한양대)

Ep-IV-135*

Magnetotransport properties and Shubnikov-de Haas oscillation induced from Bi-rich Bi₂Te₃ nanoribbons with high carrier mobility / LEE Sunghune, IN Juneho(KAIST), PARK Yun Chang(Nano Fab), KIM Jinhee(KRISS), KIM Bongsoo(KAIST)

Ep-IV-136

Study on the LSPR sensitivity of Ag nanodot array using FDTD simulation / JUNG Jea-woo, JEON Bo-Geon(Department of Materials Science and Engineering, Chungnam National University), LEE Tae-Soo, SON Vo-Thanh(Graduate School of Green Energy Technology, Chungnam National University), JEONG Jong-Ryul(Department of Materials Science and Engineering, Chungnam National University)

Ep-IV-137*

The role of reactive gas on solar cell efficiency of plasma-treated ZnO nanorods for dye-sensitized solar cell application / DE Pham-Cong, KYUN Ahn, YOON-HEE Kang(Pusan National University, Department of Nano Fusion Technology), JANG-HEE Yoon, JONG-PIL Kim(Korea Basic Science Institute, Busan Center), CHAE-RYONG Cho(Pusan National University, Department of Nano Fusion Technology)

Ep-IV-138*

Preparation and luminescence properties of Eu³⁺-doped CaAl₂O₄ nanophosphors by solvothermal method / CHUNG Jong Won, MOON Byung Kee, CHOI Byung Chun, JEONG Jung Hyun(부경대)

Ep-IV-139

Synthesis and structural stability of anatase and rutile Ti_{1-x} Fe_xO₂

nanoparticles / ZHENLAN Jin, C.-I. Park, S.-W. Han(Department of Physics Education, Institute of Fusion Sciences and Institute of Science Education, Chonbuk National University), BINGZHI Jiang(Department of Physics, Yanbian University, China)

Ep-IV-140

Growth of silver thin film on MgO(100) substrate by DC magnetron sputtering for enhancement of crystallization / JEON Bo-Geon(Department of Materials Science and Engineering, Chungnam National University), LEE Tae-Soo(Graduate School of Green Energy Technology, Chungnam National University), JEONG Jae-woo(Department of Materials Science and Engineering, Chungnam National University), SON Vo-Thanh(Graduate School of Green Energy Technology, Chungnam National University)

Ep-IV-141*

Plasma treatment effect of hydrothermal processed TiO₂ nanorods for dye-sensitized solar cell application / KYUN Ahn, YOON-HEE Kang, DE Pham-Cong, SE-YOUNG Jeong(Pusan National University, Department of Nano Fusion technology), JANG-HEE Yoon, JONG-PIL Kim(Korea Basic Science Institute, Busan Center), CHAE-RYONG Cho(Pusan National University, Department of Nano Fusion technology)

Ep-IV-142

Cross Junction of Graphene Nanoribbon(GNR) and Carbon Nanotube(CNT) / BAEK Seungjae, PARK Min, PARK Yung Woo(Seoul National University)

Ep-IV-143*

SiN doubly clamped beam의 다중 공진 모드에서의 압력에 따른 유체 감쇠현상 / 이은중, 송아리, 김대환(국민대), 조명래(서울대), 김철성(국민대), 박윤(서울대), 고태준(국민대)

Ep-IV-144

Thermal Properties of Ti₄₀Cu₄₀Ni₁₀Nb₁₀ Alloy Produced by Mechanical Alloying / 김현구, 공현식, 송보미(조선대)

Ep-IV-145*

Study on the Synthesis of Silver Nanowires Using Polyol Process and the Characteristics of Their Transparent Conductive Films / LEE Chungyeol, GOAK Jeungchoon, LEE Naesung(Faculty of Nanotechnology and Advanced Materials Engineering, Sejong University)

Ep-IV-146

Structural, Optical and Electrical Properties of Ion-Implanted

ZnO Nanorods / PARK C.-I., JIN Zhenlan(Division of Science Education and Institute of Fusion Science, Chonbuk National University), KIM B.-H.(Department of Physics and Institute of Fusion Science, Chonbuk National University), KWAK C.-H., SEO S.-Y., HAN S.-W.(Department of Materials Science and Engineering, Pohang University of Science and Technology)

Ep-IV-147

Synthesis and Optical Properties of Eu^{3+} Doped NaREF_4 ($\text{RE} = \text{Y, Gd}$), LnF_3 ($\text{Ln} = \text{Y, La}$), and $\text{YF}_3 \cdot 1.5\text{NH}_3$ Micro/Nanocrystals / CAO Chunyan, YANG Hyun Kyoung, CHUNG Jong Won, MOON Byung Kee, CHOI Byung Chun, JEONG Jung Hyun(부경대)

Ep-IV-148

Tris(2-phenylpyridine)iridium을 도핑한 N,N'-dicarbazolyl-3,5-benzene 발광층을 이용한 인광 유기발광 소자의 발광 메커니즘 / 김대훈, 추동철, 김태환(한양대)

Ep-IV-149

Polymethyl methacrylate 고분자 박막안에 분산된 C60 분자의 농도가 메모리 효과에 미치는 영향 / 윤동열, 손정민, 김태환(한양대)

Ep-IV-150

Cooling Rate Dependence of Carbon Layer Control for Graphene Formation on Ni/Si Templates / 주미연, 김진교(경희대)

Ep-IV-151

촉매금속의 본딩을 이용한 그래핀 무손상 transfer방법 / 안호섭, 정종완(세종대)

Ep-IV-152

전자선 조사 및 열처리에 의한 금 나노 정팔면체 입자 패턴 제조 / 김용남, 조성오(한국과학기술원, 원자력 및 양자공학과)

Ep-IV-153*

Graphene Oxide Field Effect Transistors / KRISHNAMOORTHY Karthikeyan, VENUGOPAL GUNASEKARAN(Dept. of Mechanical System Eng., Jeju National University), KIM SANG JAE(Dept. of Mechatronics Eng., Jeju National University)

Ep-IV-154*

Improvement of adhesion and field emission properties of carbon nanotube emitters with a metal mesh support by using cobalt and nickel oxides /

CHOI Ju Sung, LEE Naesung(Faculty of Nanotechnology and Advanced Materials Engineering, Sejong University)

Ep-IV-155*

The Graphene on a Transfer Media : Strain and Surface Morphology / YUN Hoyeol(Division of Quantum Phases & Devices, School of Physics, Konkuk University), HUH Yun Suk, CHANG Sung-Jin(Division of Materials Science, Korea Basic Science Institute), LEE SangWook(Division of Quantum Phases & Devices, School of Physics, Konkuk University)

Ep-IV-156*

Radial-heterojunction Si microwire-array-based solar cells with Al-doped ZnO top electrodes / 이은송이, 김동욱(이화여대), 김재현, 백성호(대구경북과학기술원)

Ep-IV-157

질화막 내의 트랩 밀도 변화에 따른 charge trap flash 메모리 소자의 retention 특성 메커니즘 / 유주형, 김현우, 김태환(한양대)

Ep-IV-158

Growth Of Large Graphene Grains Using a Thin Rectangular Flow Tube / YOO, K.(KRISS), SEO, E.K.(KRISS & Yonsei Univ.), KIM, Y.J., KIM, W.D., LEE, S.S., HWANG, C.(KRISS)

Ep-IV-159

나노입자 배열의 전기적 특성을 이용한 분자검출 방법 / 김한중, 손희진(한국표준과학연구원 나노양자연구단), 김상훈(삼성전자), 이삼녕(한국해양대), 하동한(한국표준과학연구원 나노양자연구단)

Ep-IV-160*

Development of a Python-based Multiscale Nanomaterials Simulation Platform / KIM Yong-Hoon(KAIST), KIM Hu Sung(University of Seoul), KIM Han Seul(KAIST), PARK Min Kyu(University of Seoul)

Ep-IV-161

Preparation and Characterization of monodispersed TiO₂ and ZrO₂ nanocrystal / QU Xuesong, YANG Hyun Kyoung, JEONG Jung Hyun(부경대)

Ep-IV-162*

Effect of Varying Pore Size of AAO Films on Refractive Index and Birefringence Measured by Prism Coupling Technique / GONG Su-Hyun(Department of Physics and Graduate School of Nanoscience & Technology (WCU), Korea Advanced Institute of Science and Technology (KAIST)), STOLZ Arnaud(Optoelectronics Group, Institute of Electronics, Microelectronics and Nanotechnology (IEMN), France), MYEONG Gi-Hwan(Department of Physics, Chunnam National University), GOKARNA Anisha, DOGHECHE Elhadj(Optoelectronics Group, Institute of Electronics, Microelectronics and

Nanotechnology (IEMN), France), RYU Sang-Wan(Department of Physics, Chunnam National University), DECOSTER Didier(Optoelectronics Group, Institute of Electronics, Microelectronics and Nanotechnology (IEMN), France), CHO Yong-Hoon(Department of Physics and Graduate School of Nanoscience & Technology (WCU), Korea Advanced Institute of Science and Technology (KAIST))

Ep-IV-163

CaAl₁₂O₁₉:Mn와 Zn₂SiO₄:Mn 혼합형광체를 이용한 백색 유기발광소자의 발광 메커니즘 / 김석현, 추동철, 김태환(한양대), 권명석(서울시립대)

Ep-IV-165*

전기도금법으로 제작된 구리배선에 대한 연구 / 허미나, 홍기민(충남대)

Ep-IV-166*

Stiffness of Polymer Film and Bio-cell via AFM(Atomic Force Microscopy) Modulation and Force Curve Mode Image / 김창호, 차호석(에이엔티)

Ep-IV-167*

Magneto-Transport properties of Few-layer Graphene Film / HONG Sung Ju, NAM Young Woo, YOO Jung Hoon, CHU Seungwan (Department of Physics and Astronomy, Seoul National University), PARK Hye Jin, ROTH Siegmard(Max Planck Institute for Solid State Research), PARK Yung Woo(Department of Physics and Astronomy, Seoul National University)

2011년 4월 15일 금요일 09:00 - 11:00

장소: 포스터 발표장

Ip-IV-040***Nanoporous Structure Aluminum Anodic Oxide Layer-based Optical Biosensor for Detection of Troponin T / 김옥근, 한마음, 염세혁, 강신원(경북대)****Ip-IV-041*****Development of Gas Sensor for Volatile Organic Compounds Detection using Optical Fiber to Planer Waveguide Coupler / 권성일, WANG Bo, YUAN Heng, 염세혁, 강신원(경북대)****Ip-IV-042*****Nanoresonator enabled terahertz all-optical switching on vanadium dioxide thin film / 경지수(서울대), 최수봉(JILA, University of Colorado and National Institute of Standards and Technology, USA), 김현선, 박형렬, 정영균, 박영미(서울대), 김봉준, 김현탁(한국전자통신연구원), 안광준, 김대식(서울대)****Ip-IV-043****Quantum discord in two-mode radiation fields / 김기식(인하대, 물리학과)****Ip-IV-044****Invariant Imbedding Method for Electromagnetic Scattering Problems from Inhomogeneously Stratified Spheres / 김상범, 김기홍(아주대)****Ip-IV-045****Invariant Imbedding Approach for Electromagnetic Scattering from Cylindrical Bodies with Metamaterial Coatings / 김상범, 김기홍, ROTERMUND Fabian(아주대)****Ip-IV-046*****The effects of bandpass filtering on the dissipative soliton generation in passively mode-locked fiber laser / 조영권, 염동일, 김기홍(아주대 에너지시스템학부)****Ip-IV-047****Goos-Hanchen Shift of a Gaussian Beam Associated with the Surface Plasmon Excitation / PHUNG Duy Khuong, 김기홍(아주대 에너지**

Ip-IV-048

Excitation of Optical Tamm Plasmons at an Interface between a Metal and Dielectric Multilayers / 이광진, 김기홍(아주대 에너지시스템학부)

Ip-IV-049*

형광상관분광법을 이용한 분자의 회전확산 특성 연구 / 이재란, 김석원(울산대, 물리학과)

Ip-IV-050*

Long Distance SRS Imaging / JUNG Seok-Hyun, KIM Soo Yong(Korea Advanced Institute of Science and Technology, Department of Physics), KIM Sok Won(University of Ulsan, Department of Physics), KAO Fu-jen(National Yang Ming University, Institute of Biophotonics)

Ip-IV-051*

SEF를 통한 Long Distance Fluorescence Signal Detection / 이동근, 김수용(KAIST, 물리학과), 김석원(울산대, 물리학과), KAO Fu-jen(National Yang-ming University, Institute of Biophotonics)

Ip-IV-052*

Fluorescence Correlation Spectroscopy를 이용한 Quantum Dot의 동역학적 특성 관찰 / 한예슬, 김석원(울산대)

Ip-IV-053*

2차 조화파와 4 채널 편광계에 의한 KDP와 Collagen의 영상 관찰 / 이유미, 김석원(울산대)

Ip-IV-054

Up-conversion 검출기를 이용한 단일광자 측정 / 김현오, 김용수(울산대), 조석범, 윤천주(한국전자통신연구원), 노태곤(경성대)

Ip-IV-055

디지털 카메라를 이용한 Type2 PDC 얽힘 빔의 모드 매칭 / 송승철, 배삼용, 문희현, 박지수, 윤선현(전남대)

Ip-IV-056*

Asymmetric transverse modes in the ultrahigh finesse Fabry-Perot Cavity / KIM Junki, LEE Moonjoo, KIM Donghoon, SEO wontaek, HONG Hyun-gue, SONG Younghun, AN kyungwon(Department of Physics and Astronomy, Seoul National University)

Ip-IV-057*

Abraham-Minkoski Controversy Experiment on One dimensional

Potential Wall Stage / 오경환, 최홍구, 박민규, 하우성(연세대)

Ip-IV-058*

Parametric simulation of femtosecond and picosecond pulse propagation in silicon-core optical fiber / 오경환, PAULSON Bjorn, 박민규, 김종기(연세대)

Ip-IV-059*

Two Counter-Propagating of Bessel-Like Beam With All-Fiber Devices for Optical Lining of Dielectric Particles / 오경환, 이성래, 김종기, 정윤섭(연세대)

Ip-IV-060

도넛빔에 의한 광집계의 광포획 효율 / 오차환, 김현지(한양대), 이성래, 오경환(연세대)

Ip-IV-061

One Lens Moving AF를 구현한 밝은 Mobile 광학계 설계 / 김진영, 고정휘, 최봉주(국민대), 권덕근, 이경환(LG 이노텍), 김세진(백석대), 윤성로(국민대)

Ip-IV-062

광학식 손떨림 보정을 고려한 3군 줌 디지털 카메라 설계 / 최봉주, 김진영, 고정휘(국민대), 김세진(백석대), 윤성로(국민대)

Ip-IV-063*

Interaction between surface plasmons and carriers in InGaAsP semiconductor with Au slit array / KIM SeungHyun(Chungnum National University, GRAFT), HAN WonSuk(Electronics and Telecommunications Research Institute (ETRI)), SIM SeungBo, NOH HyunHo, KIM Jin-Hee(Korea Research Institute of Standards and Science (KRISS)), YEE KiJu(Chungnum National University, GRAFT and Department of Physics)

Ip-IV-064

ESPI를 이용한 물류 통신 부품의 안전성 측정 / 이상봉, 함효식(인천대), 이공(일반), 최성을(인천대)

Ip-IV-065

광학 Software를 이용한 확산렌즈의 BSDF 광학 Simulation 평가 / 임은태, 김재범, 한재광, 전성란(한국광기술원), 박승미, 김항기(금호HT)

Ip-IV-066

CaLa₂ZnO₅ 모체물질에 첨가된 Eu³⁺에 대한 광학적 특성 / 우현주, 윤제호, 박지연, 장기완(창원대 물리학과), 신동수(창원대 화학과), 이성수(신라대 광전자공학과), 정중현(부경대 물리학과)

Ip-IV-067

Studies on the influence of lithium incorporation and sintering atmosphere on the photoluminescent properties of NaCaPO₄:Eu³⁺ phosphors / KUMAR G. Bhaskar, RAO B. Vengala, YOON Jaeho(창원대 물리학과), SHIN Dong Soo(창원대 화학과), YI Soung-Soo(신라대 광전자공학과), JEONG Jung-Hyun(부경대 물리학과)

Ip-IV-068

Luminescent properties of Dy³⁺ and Eu³⁺doped Ca₃La(VO₄)₃ phosphors for WLED applications / BANDI Vengala Rao, GRANDHE Bhaskar Kumar, JANG Kiwan, LEE HoSueb, BAE Dong Hyun, WOO Hyun Joo(창원대 물리학과), YI Soung-Soo(신라대, 광전자공학과), JEONG Jung-Hyun(부경대 물리학과)

Ip-IV-069

Eu³⁺ 가 첨가된 Ga₂Gd₃(SiO₄)₆O₂ 형광체의 광학적 특성 / 조은진, 배동현, 장지원(창원대 물리학과), 신동수(창원대 화학과), 이성수(신라대 광전자공학과), 정중현(부경대 물리학과)

Ip-IV-070

Electro-optic effect in crystalline films of transverse planar octupolar symmetry / JEONG Mi-Yun(경상대), BRASSELET Sophie(Fresnel, CNRS, Université Aix Marseille III, Ecole Centrale de Marseille, Domaine Univ.), CHO Bong Rae, LIM Tong-Kun(고려대)

Ip-IV-071

레이저 가공패턴에 따른 플라스틱 광섬유 측면 발광 휘도 성능 예측을 위한 전산모사 / 마혜준, 이승석, 신용진, 최은서(조선대)

Ip-IV-072

도광판안의 산란 패턴판 기울기 변화에 따른 휘도 균일도 향상에 대한 전산 모사 / 이승석, 마혜준, 신용진, 최은서(조선대)

Ip-IV-073

플라스틱 광학렌즈의 수분 흡수특성 / CHOI E. J.(Konyang Univesity)

Ip-IV-074

흡수분광법에 의한 컬러렌즈 광흡수계수 분석 / CHOI E. J.(Konyang University)

Ip-IV-075

Gradient index 분포를 갖는 조절이 고려된 수정체 설계 및 분석 / 강은경, 홍춘지, 황보창권(인하대), 박성찬(단국대)

Ip-IV-076*

금속박막과 SiO_2 나선구조 박막 계면에서의 다중 표면 플라즈몬 연구 / 김지범, 김영등, BADSHA ALAMGIR, 김태영, 황보창권(인하대)

Ip-IV-077*

극자외선 리소그래피용 마스크 개발을 위한 새로운 흡수 물질들의 광학적 특성 연구 / 강희영, 박성진, 황보창권(인하대), 정창현, 서환석, 김성수(삼성전자, 반도체 R&D센터)

Ip-IV-078*

Optimized Design Of Binary Masks For Extreme Ultraviolet Lithography And Deep Ultraviolet Inspection / 박성진, 강희영, 이용호, 황보창권(인하대)

Ip-IV-079*

위상차 측정 장치를 이용한 PZT 단층 박막의 전기광학 특성 연구 / 김진주, 신유석, 황보창권(인하대)

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 감향순 Gp-III-004
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 강궁원 BG-49, LG-04
 강기혁 Dp-III-158, Dp-III-158
 강대준 DG-08, DG-09,
 DG-10, DG-60,
 Dp-IV-185,
 Dp-IV-203, EG-02,
 EG-14, Ep-I-015,
 Ep-I-021, Ep-I-023,
 Ep-IV-132
 강대준 Ep-I-012, Ep-II-069
 강동형 Gp-III-004
 강만일 Ep-I-019, Ep-IV-133
 강병남 FF-02
 강병호 Ep-II-070
 강병휘 CG-08
 강보라 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 강보라 BG-09
 강보라 Bp-III-014, Bp-III-016
 강보라 Bp-III-017
 강보수 Ep-I-027
 강보영 EG-39
 강보영 EG-40
 강상백 Ep-I-040
 강석일 Dp-I-055
 강성웅 Dp-III-126
 강세종 DF-29
 강세종 DG-19, DG-20,
 DG-45, Dp-III-132,
 Dp-IV-207
 강승언 Hp-II-017
 강승진 DG-14
 강신원 Ep-II-070, Ip-IV-040,

Ip-IV-041, Kp-III-122
 강연수 CG-11
 강영비 Ip-I-035
 강운구 BG-03, Bp-III-014,
 Bp-III-016
 강운구 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-009,
 Bp-III-012, Bp-III-024
 강운구 BG-09
 강운구 Bp-III-017
 강유리 GG-05
 강은경 Ip-IV-075
 강이임 Dp-II-063
 강일준 Dp-III-164
 강재필 Dp-I-044
 강정수 DG-67
 강정수 Dp-II-095, Dp-II-102
 강주환 Cp-II-013
 강주환 Cp-II-020
 강준희 EG-06
 강준희 Ep-I-034, Ep-I-046,
 Ep-IV-105
 강준희 KG-10
 강진호 Kp-I-005, Kp-I-031
 강태임 CF-09
 강현철 DG-46, Kp-III-069,
 Kp-III-070,
 Kp-III-076
 강훈수 JG-08
 강희영 Ip-IV-077, Ip-IV-078
 경원식 DG-40
 경원식 Dp-I-011
 경원식 Dp-I-019, Dp-I-025,
 Dp-I-028, Dp-I-031
 경원식 Dp-I-039
 경원식 PA-10
 경지수 Ip-IV-042
 고경태 DG-53
 고광일 Fp-III-006

고광일 Fp-III-018
 고대홍 Kp-III-092
 고도경 IG-16
 고동혁 IG-04, Ip-I-010
 고락길 Dp-I-055
 고병원 BG-28
 고병원 BG-29
 고석남 Kp-III-071, Kp-III-075,
 Kp-III-078, Kp-III-094
 고석민 KG-09
 고성훈 Ep-IV-113
 고승국 Hp-II-045
 고승환 BG-06
 고유미 BG-35
 고윤영 DG-40
 고윤영 Dp-I-005
 고윤영 Dp-I-011
 고윤영 Dp-I-019, Dp-I-025,
 Dp-I-028, Dp-I-031
 고윤영 Dp-I-039
 고재우 BG-01, Bp-III-020
 고정휘 Ip-IV-061, Ip-IV-062
 고태준 Ep-IV-143
 고행주 Ep-IV-104
 고현성 Kp-I-030
 공현식 Ep-IV-144
 광영렬 Ep-IV-128
 광진호 Dp-III-154, Dp-III-160
 교학빈 Ep-IV-080
 구승회 Hp-III-071
 구재본 Kp-III-117
 권기연 Dp-I-046
 권기홍 Ep-II-078
 권덕근 Ip-IV-061
 권덕희 JG-12
 권득철 HF-02(초)
 권명석 Ep-IV-163
 권민기 Kp-I-012, Kp-I-025
 권민지 KG-04
 권병욱 Ep-IV-117

권보미 HG-05
 권성일 Ip-IV-041
 권영균 DG-14
 권영일 Cp-II-009, Cp-II-013
 권영일 Cp-II-011
 권영일 Cp-II-020
 권영준 BG-03
 권영준 BG-26
 권영준 LG-15
 권오룡 Dp-II-067
 권오장 Ip-I-037
 권오형 HG-02
 권용경 DG-37, Dp-I-029
 권용성 Dp-II-095, Dp-III-162
 권용준 BG-48
 권원주 Ep-IV-112
 권종기 EG-09
 권진중 Hp-III-066
 권태수 Ep-I-017
 권혁상 DG-67
 권혁중 Hp-II-007
 권혁중 Hp-II-019
 권혁중 Hp-II-033
 권혁중 Hp-II-034
 권혁찬 EF-14(초)
 권혁채 Hp-III-088
 권형철 Hp-III-074
 권희영 Dp-II-070, Dp-II-079,
 Dp-II-091
 금관필 Ep-IV-098
 금창민 Kp-III-072
 기상훈 Dp-II-099
 기현철 Kp-I-019
 길계환 Hp-II-032
 김가연 Kp-III-099
 김가현 Dp-I-002, Dp-I-013,
 Dp-I-016, Dp-I-018,
 Dp-I-024, Dp-I-036
 김갑진 Dp-II-107
 김갑진 Ep-IV-119

김강수 A4-01
 김건 DF-31
 김건보 Bp-III-009
 김건호 Ep-IV-107
 김건호 Kp-III-096
 김경규 BG-35
 김경남 IG-16
 김경식 CG-02
 김경식 FG-08, FG-09,
 FG-10
 김경염 Ep-II-067
 김경원 BG-03
 김경원 Ep-IV-130
 김경중 Kp-III-067
 김경철 Ep-I-026, Ep-I-031,
 Ep-I-037, Ep-I-041,
 Ep-I-045
 김경택 IG-04
 김경호 Kp-I-040
 김경호 Kp-I-046
 김계령 Bp-III-022, Ep-IV-118
 김계령 Cp-II-033
 김곤우 Bp-III-021, Kp-I-044
 김광무 Kp-I-028
 김광복 Ep-IV-104
 김광석 KG-27
 김광우 Hp-II-039
 김귀년 Cp-II-029
 김귀년 Hp-III-088
 김규진 Ep-II-070
 김규호 Hp-III-069
 김규환 IG-08
 김기동 Cp-II-026, Cp-II-027
 김기석 BG-35
 김기식 Ip-IV-043
 김기웅 EF-14(초)
 김기홍 Fp-III-028, Hp-III-067,
 IG-13, Ip-IV-046,
 Ip-IV-047, Ip-IV-048
 김기홍 Ip-IV-044, Ip-IV-045

김기훈 DG-53, PA-10
 김기훈 PA-12
 김길호 Ep-IV-128,
 Kp-III-074
 김길호 KT-01(초)
 김낙우 BG-38
 김남 Dp-IV-167,
 Dp-IV-187,
 Dp-IV-206,
 Dp-IV-209
 김남동 Dp-III-133, Dp-III-139
 김남오 Kp-III-128
 김남희 Dp-II-090
 김다정 Dp-I-002, Dp-I-018,
 Dp-I-024
 김단비 HG-05
 김대식 IG-08
 김대식 Ip-IV-042
 김대웅 Hp-III-074
 김대은 Kp-I-032
 김대일 Hp-II-019
 김대일 Hp-II-033
 김대중 Kp-I-041
 김대현 DG-67
 김대현 Dp-II-095, Dp-II-102
 김대호 Ep-IV-121
 김대환 Ep-IV-143
 김대환 Kp-I-016
 김대훈 Ep-IV-148
 김덕영 IF-05(초)
 김덕호 Dp-II-090, Dp-II-103
 김도만 KG-27
 김도형 Dp-III-134
 김동경 Ip-I-033
 김동구 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 김동구 BG-09
 김동구 Bp-III-014, Bp-III-016

김동구 Bp-III-017
 김동규 Kp-III-083
 김동락 DG-72
 김동섭 Ep-I-048
 김동영 Dp-III-119,
 Dp-III-136,
 Dp-IV-191,
 Ep-II-066
 김동욱 DG-66
 김동욱 EG-04, EG-25,
 Ep-IV-129,
 Ep-IV-156,
 Kp-III-116
 김동욱 KG-04
 김동유 DG-64
 김동준 CG-09, HG-10
 김동준 Hp-II-010
 김동진 Dp-I-046
 김동현 HG-02
 김동호 Dp-I-048
 김동희 Bp-III-007
 김득영 Kp-I-048
 김륜경 Ip-I-036
 김만원 Dp-III-127
 김 맥 Dp-IV-166,
 Dp-IV-171
 김문덕 KG-16, Kp-I-009,
 Kp-I-024
 김문덕 Kp-I-018
 김미영 DG-14
 김미정 Ep-I-040
 김미주 Ep-IV-080
 김민경 Hp-III-079
 김민석 Bp-III-006
 김민성 CG-13
 김민성 DG-66
 김민수 Kp-I-039, Kp-I-058
 김민영 EF-14(초)
 김민우 Cp-II-020
 김민재 Dp-I-006

김민철 Kp-III-067
 김범규 Cp-II-020
 김범규 Dp-IV-167,
 Dp-IV-187,
 Dp-IV-209
 김범영 DF-21, Dp-I-019,
 Dp-I-025,
 Dp-I-031
 김범영 Dp-I-005
 김범영 Dp-I-011
 김범영 Dp-I-039
 김범영 PA-10
 김범준 Kp-III-072
 김범진 KG-27
 김병건 Dp-II-099
 김병찬 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 김병찬 BG-09
 김병찬 Bp-III-014, Bp-III-016
 김병찬 Bp-III-017
 김병철 CG-09, HG-10
 김병철 Hp-II-010
 김병훈 Dp-IV-173
 김봉서 KG-28
 김봉준 Ep-IV-129
 김봉준 Ip-IV-042
 김봉준 JG-08
 김삼진 Dp-II-110
 김상록 Ep-IV-091
 김상룡 EG-28
 김상범 Ip-IV-044, Ip-IV-045
 김상수 Dp-I-002, Dp-I-013,
 Dp-I-016, Dp-I-018,
 Dp-I-022, Dp-I-024,
 Dp-I-036
 김상우 Dp-II-099
 김상우 FF-07
 김상욱 JG-01(초)

김상태 Bp-III-017
 김상훈 EG-35
 김상훈 EG-36
 김상훈 EG-41
 김상훈 Ep-IV-159
 김상훈 Hp-II-004
 김상훈 Hp-II-006
 김상훈 Hp-II-022
 김상훈 Hp-II-029
 김삿별 Kp-I-065
 김서희 KG-08
 김석원 EG-24(초)
 김석원 Ep-I-019,
 Ep-IV-133,
 Gp-III-002,
 Ip-I-001,
 Ip-IV-052,
 Ip-IV-053
 김석원 Gp-III-005,
 Ip-IV-049,
 Ip-IV-051
 김석중 Ep-IV-091
 김석현 Ep-IV-163
 김선기 BG-03
 김선기 Bp-III-009
 김선명 Fp-III-007
 김선자 Hp-III-090
 김 성 Kp-III-087, Kp-III-088
 김 성 Kp-III-119
 김성근 DG-67
 김성백 Dp-II-102
 김성빈 Ep-II-058
 김성수 Ip-IV-077
 김성연 Ep-I-047
 김성원 GG-05
 김성은 Kp-III-117
 김성준 CF-10
 김성준 CG-14
 김성준 Kp-I-023
 김성준 Kp-I-029

김성준 Kp-I-034
 김성진 Dp-III-150
 김성현 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 김성현 BG-09
 김성현 Bp-III-014, Bp-III-016
 김성현 Bp-III-017
 김성화 Ep-II-057
 김성환 EG-20
 김성훈 Dp-III-158
 김성훈 PD-07(초)
 김세진 Ip-IV-061, Ip-IV-062
 김소아람 Kp-I-039,
 Kp-I-058
 김송강 Kp-I-009, Kp-I-024
 김송강 Kp-I-014
 김수봉 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 김수봉 BG-09
 김수봉 Bp-III-014, Bp-III-016
 김수봉 Bp-III-017
 김수연 EG-20
 김수연 Kp-I-027
 김수용 FG-08, FG-09
 김수용 Ip-IV-051
 김순옥 Ip-I-035
 김승관 IG-17
 김승연 Fp-III-025
 김승우 IF-03(초)
 김승천 BG-03
 김승천 Bp-III-009
 김승철 IF-03(초)
 김승현 PA-12
 김승환 A1-06, A1-07
 김승환 Fp-III-001
 김승환 Fp-III-012

김시연 BG-07(초), BG-08,
 BG-10, BG-12,
 Bp-III-012, Bp-III-024
 김시연 BG-09
 김시연 Bp-III-014, Bp-III-016
 김시연 Bp-III-017
 김시현 BG-11
 김양경 Ep-IV-098
 김억봉 IF-01(초)
 김연상 KG-04
 김 엽 Fp-III-024
 김영국 DG-66
 김영국 Ep-II-057
 김영덕 BG-03, Bp-III-014,
 Bp-III-016
 김영덕 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-009,
 Bp-III-012, Bp-III-024
 김영덕 BG-09
 김영덕 Bp-III-017
 김영도 Fp-III-014
 김영동 Kp-III-105
 김영등 Ip-IV-076
 김영만 BG-35
 김영민 GG-02
 김영민 GG-04
 김영삼 Kp-III-085
 김영욱 Dp-I-031
 김영유 Ep-I-024
 김영진 Bp-III-003, Bp-III-019
 김영진 IF-03(초)
 김영찬 Dp-II-098, Dp-II-111
 김영철 Ep-I-048, Ip-I-026
 김영태 Fp-III-002
 김영현 Kp-I-028
 김영호 FG-12
 김영호 Kp-I-023
 김영호 Kp-I-029
 김영호 Kp-I-034

김영훈 Dp-I-044
 김예원 LG-14
 김예진 Hp-II-043, Hp-II-044
 김옥근 Ip-IV-040
 김용 Kp-I-040, Kp-I-055
 김용 Kp-I-046
 김용관 DF-21, Dp-I-019,
 Dp-I-025, Dp-I-028,
 Dp-I-031
 김용관 DG-40
 김용관 Dp-I-005
 김용관 Dp-I-011
 김용관 Dp-I-039
 김용관 PA-10
 김용균 CG-08
 김용남 Ep-II-068
 김용남 Ep-IV-152
 김용수 Dp-I-061
 김용수 Ip-IV-054
 김용승 Dp-III-161
 김용승 KG-01(초)
 김용일 Dp-I-050
 김용주 Bp-III-020
 김용철 Ep-IV-089
 김용함 Bp-III-009
 김용함 CG-13
 김우영 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 김우영 BG-09, Bp-III-017
 김우영 Bp-III-014, Bp-III-016
 김원동 Dp-II-097, Dp-III-120
 김원섭 Fp-III-015
 김유리 Kp-I-040, Kp-I-055
 김유리 Kp-I-046
 김유석 EG-20
 김윤석 IF-03(초)
 김윤중 Dp-IV-184
 김윤호 Ep-I-025

김은규 Kp-I-051
 김은산 HG-09
 김은산 Hp-II-047
 김은선 Dp-I-002, Dp-I-013,
 Dp-I-016, Dp-I-018,
 Dp-I-024, Dp-I-036
 김은선 EG-39
 김은선 EG-40
 김은식 Ep-IV-080, Ep-IV-085
 김은애 Hp-III-076
 김은주 BG-01
 김은주 Bp-III-020
 김은주 Cp-II-013
 김은호 Ep-I-006
 김의정 Ip-I-035
 김의태 Kp-I-057
 김이종 HG-08(초),
 IG-01(초), Ip-I-002
 김이종 IG-03, Ip-I-007,
 Ip-I-008, Ip-I-009
 김인묵 Fp-III-018
 김일곤 Bp-III-021, Kp-I-044
 김일원 Dp-I-022, Dp-I-042
 김일원 Dp-I-033
 김일원 Dp-I-034
 김일원 Dp-III-146
 김일홍 Ep-II-057
 김자연 Kp-I-012, Kp-I-025
 김재권 GG-04
 김재률 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 김재률 BG-09
 김재률 Bp-III-014, Bp-III-016
 김재률 Bp-III-017
 김재범 Ip-I-003
 김재범 Ip-IV-065
 김재석 Fp-III-002
 김재성 DG-43

김재영 DG-51
 김재영 DG-53, Dp-II-102
 김재영 Dp-II-084
 김재용 Dp-II-076
 김재은 Jp-II-002
 김재현 Ep-IV-156
 김재홍 Ep-IV-091
 김재훈 EG-39
 김정민 Dp-IV-173
 김정원 Dp-III-135
 김정혁 Kp-I-040,
 Kp-I-055
 김정혁 Kp-I-046
 김정현 Bp-III-003
 김정현 Bp-III-013
 김정형 Hp-III-074
 김정호 Ep-II-067
 김정호 KG-17
 김정환 EG-27
 김정희 EG-39
 김정희 EG-40
 김종국 Dp-III-142
 김종기 Ip-IV-058, Ip-IV-059
 김종민 Kp-III-090
 김종수 Ep-I-001
 김종수 Kp-I-023,
 Kp-I-029,
 Kp-I-039,
 Kp-I-058
 김종수 Kp-I-028
 김종수 Kp-I-034
 김종옥 Kp-I-032
 김종주 A1-05
 김종주 GG-03
 김종필 Dp-III-156
 김주완 IG-10
 김주진 Dp-IV-167,
 Dp-IV-187,
 Dp-IV-209
 김주현 Kp-III-069

김준곤 Cp-II-027
 김준성 Dp-I-031, Dp-II-084
 김준연 Dp-II-107
 김준용 EG-35
 김준원 Dp-II-064
 김준호 EG-26, Ep-I-030,
 Ep-I-047
 김중환 Dp-IV-182, Dp-IV-196
 김중환 Dp-IV-217
 김지범 Ip-IV-076
 김지연 Ep-I-025
 김지완 Dp-II-072
 김지은 LG-12
 김지은 LG-14
 김진걸 Dp-III-139
 김진교 Ep-IV-120, Ep-IV-150,
 Kp-I-002, Kp-I-008,
 Kp-I-013, Kp-I-026,
 Kp-I-033
 김진교 Kp-I-011
 김진목 EF-14(초)
 김진수 Dp-III-126
 김진수 Ep-I-039
 김진수 Kp-I-023,
 Kp-I-029,
 Kp-I-039,
 Kp-I-058
 김진수 Kp-I-028, Kp-I-030
 김진수 Kp-I-034
 김진영 EG-06
 김진영 EG-31(초)
 김진영 Ep-I-046
 김진영 Ip-IV-061, Ip-IV-062
 김진영 LG-03
 김진웅 Dp-IV-205
 김진원 Dp-I-002, Dp-I-013,
 Dp-I-016, Dp-I-018,
 Dp-I-022, Dp-I-024,
 Dp-I-036
 김진주 Hp-II-015

김진주 Ip-IV-079
 김진태 HF-02(초)
 김진태 Ip-I-004, Ip-I-005
 김진혁 Ep-IV-104
 김진홍 Ip-I-003
 김진홍 Dp-IV-174,
 Dp-IV-189
 김진희 DF-07, DG-35,
 Dp-III-113, Ep-IV-095
 김진희 Dp-III-162
 김찬주 A7-02(초)
 김창득 Ep-IV-131
 김창배 Hp-III-068
 김창범 CG-14, Hp-II-023
 김창영 DF-21, Dp-I-019,
 Dp-I-025,
 Dp-I-028,
 Dp-I-031
 김창영 DG-40
 김창영 Dp-I-005
 김창영 Dp-I-011
 김창영 Dp-I-039
 김창오 Kp-I-049, Kp-III-087
 김창호 Ep-IV-166
 김 철 DG-40
 김 철 Dp-I-005
 김 철 Dp-I-011
 김 철 Dp-I-019, Dp-I-025,
 Dp-I-028, Dp-I-031
 김 철 Dp-I-039
 김 철 PA-10
 김철기 Dp-II-097
 김철민 HG-08(초),
 IG-01(초), Ip-I-002
 김철민 IG-03, IG-05,
 Ip-I-006, Ip-I-007,
 Ip-I-008, Ip-I-009,
 JG-06, Jp-II-004
 김철성 Dp-II-065
 김철성 Dp-II-102, Ep-IV-143

김철성 Dp-II-110
 김 총 Cp-II-008
 김크리스틴 Dp-III-161
 김태규 Kp-III-111
 김태성 Hp-II-012
 김태수 Cp-II-020
 김태수 Kp-I-057
 김태영 Ip-IV-076
 김태중 Kp-III-105
 김태헌 Dp-I-017
 김태헌 Dp-III-153
 김태환 Ep-IV-112
 김태환 Ep-IV-113
 김태환 Ep-IV-116
 김태환 Ep-IV-124
 김태환 Ep-IV-130, Ep-IV-134
 김태환 Ep-IV-148, Ep-IV-157
 김태환 Ep-IV-149
 김태환 Ep-IV-163
 김태환 KG-05
 김태희 DG-32
 김태희 Dp-II-063
 김판근 Ep-IV-098
 김필립 Dp-III-161
 김하나 DG-09
 김한기 KF-04(초),
 Kp-III-117
 김한기 Kp-III-081,
 Kp-III-095
 김한성 Hp-II-007
 김한성 Hp-II-019
 김한성 Hp-II-033
 김한성 Hp-II-034
 김한울 Kp-I-010
 김한중 Ep-I-024
 김한중 Ep-IV-159
 김해리 EG-25
 김해봉 Kp-III-072
 김해진 Dp-IV-173
 김향기 Ip-IV-065

김현오 IG-14(초)
 김현오 Ip-IV-054
 김현주 Cp-II-013
 김 혁 HG-02
 김현구 Ep-IV-144
 김현선 IG-08
 김현선 Ip-IV-042
 김현수 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 김현수 BG-09
 김현수 Bp-III-014, Bp-III-016
 김현수 Bp-III-017
 김현수 Kp-I-012, Kp-I-025
 김현숙 Ep-I-040
 김현승 Kp-III-068, Kp-III-073
 김현우 Ep-IV-157
 김현정 Dp-IV-216
 김현정 Kp-III-111
 김현주 Gp-III-001
 김현지 Ip-IV-060
 김현진 EG-37
 김현철 CG-16
 김현철 CG-18
 김현탁 Ep-IV-129
 김현탁 Ip-IV-042
 김형국 EG-12, IG-20
 김형도 Dp-II-095
 김형민 Kp-III-080, Kp-III-106
 김형빈 Ip-I-001
 김형상 Kp-III-084,
 Kp-III-085,
 Kp-III-090
 김형찬 BG-49, LG-05
 김형택 HG-08(초),
 IG-01(초), Ip-I-002
 김형택 IG-03, Ip-I-007,
 Ip-I-008,
 Ip-I-009, JG-06,

김혜진 Jp-II-004
 김혜진 HG-09
 김호동 Cp-II-037
 김호섭 Ep-I-048
 김호영 Hp-III-074
 김호원 DG-19, DG-20,
 Dp-III-132, Dp-IV-207
 김호현 Dp-III-158
 김흥기 LG-15
 김흥서 LG-08
 김흥정 GG-01
 김흥주 BG-03
 김흥주 Bp-III-009
 김흥주 Cp-II-033
 김흥현 Dp-II-103
 김화민 Dp-III-119,
 Dp-III-136,
 Dp-IV-191,
 Ep-II-066
 김효식 Ep-II-068
 김효윤 Hp-II-032
 김효중 BG-38
 김효진 Kp-I-003
 김효진 Kp-I-019
 김흥수 Hp-III-060
 김희섭 Hp-II-039
 김희수 Hp-III-065
 김희수 Hp-III-066
 김희정 Dp-I-053

나

나고운 BG-04
 나고운 LG-09, LG-12
 나고운 LG-14
 나사균 Kp-III-083, Kp-III-124
 나사균 Kp-III-101
 나세진 Bp-III-022, Ep-IV-118
 나세진 Cp-II-033
 나용운 KG-10

남구현 BG-06
 남궁원 Hp-III-076
 남기웅 Kp-I-039, Kp-I-058
 남동현 EF-16
 남수현 BG-18
 남수현 Bp-III-003
 남순건 A6-01
 남순건 BG-46
 남순건 BG-48
 남승일 CG-16, CG-19
 남신우 BG-06
 남윤성 Kp-I-059
 남윤성 Kp-I-063
 남윤성 Kp-III-082
 남윤승 Ep-I-039
 남은수 KG-12(초)
 남지우 BG-04
 남지우 BG-06, LG-14
 남지우 LG-09, LG-12
 남창희 IF-01(초)
 남창희 IG-01(초), Ip-I-002
 남창희 IG-04, Ip-I-010,
 JG-06, Jp-II-004
 남호준 KG-13
 남궁원 Hp-II-004
 남궁원 Hp-II-006
 남궁원 Hp-II-022, Hp-II-029
 노기정 DG-51
 노도영 DG-46
 노삼규 Kp-I-023
 노삼규 Kp-I-028, Kp-I-030
 노삼규 Kp-I-029
 노삼규 Kp-I-034
 노상수 Kp-III-083,
 Kp-III-124
 노상수 Kp-III-101
 노선영 Hp-II-047
 노승정 Hp-II-019
 노승정 Hp-III-066
 노승정 Hp-III-065

노영균 Kp-I-009
 노영균 Kp-I-014
 노우석 DG-53
 노재전 Gp-III-002
 노정현 KG-10, KG-14,
 KG-15
 노정현 KG-13
 노태곤 Ip-I-031, Ip-IV-054
 노태원 Dp-III-153
 노태원 Ep-I-027
 노태호 Dp-I-044
 노현미 Dp-IV-217
 노현호 Dp-IV-167,
 Dp-IV-187,
 Dp-IV-209
 노흥렬 Jp-II-001
 노흥렬 Jp-II-010
 노희석 Dp-IV-174,
 Dp-IV-189, Kp-I-010

다

도달현 Dp-I-002, Dp-I-013,
 Dp-I-016, Dp-I-018,
 Dp-I-024, Dp-I-036
 도용주 Dp-IV-167,
 Dp-IV-187,
 Dp-IV-209
 도재현 Cp-II-013
 도중희 Dp-II-099
 도호석 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 도호석 BG-09, Bp-III-017
 도호석 Bp-III-014, Bp-III-016

라

라창호 Kp-I-062

류광수 Dp-II-072
 류광현 Ip-I-013
 류미이 Kp-I-027
 류상완 Kp-I-005, Kp-I-022,
 Kp-I-031
 류상완 Kp-I-019
 류 수 BG-03
 류순민 DG-67
 류정아 Dp-III-161
 류 준 EG-17
 류한열 Kp-I-016
 류한희 EG-03

마

마경주 BG-07(초), BG-08,
 BG-10, BG-11,
 IBG-12, Bp-III-012,
 Bp-III-024
 마경주 BG-09
 마경주 Bp-III-014, Bp-III-016
 마경주 Bp-III-017
 마해준 Ip-IV-071, Ip-IV-072
 맹성렬 Ep-IV-128
 명기환 Kp-I-005, Kp-I-022,
 Kp-I-031
 명노상 Ep-I-018
 명성숙 BG-03
 명성숙 Bp-III-009
 문공주 GG-05
 문명국 Cp-II-021
 문명국 Hp-III-061
 문병기 Dp-IV-182, Dp-IV-196
 문병기 Dp-IV-217
 문성수 Kp-III-111
 문소라 Kp-I-040, Kp-I-055
 문소라 Kp-I-046
 문재경 KG-12(초)
 문종천 Gp-III-004
 문진성 Ep-I-025

문태봉 Cp-II-020
 문한섭 IG-17
 문한얼 Ep-II-068
 문혜진 Cp-II-013
 문희태 Ep-II-067
 문희현 Ip-IV-055
 민경욱 LG-12
 민경진 Hp-II-007
 민기현 IG-10
 민병일 Dp-I-006
 민병일 Dp-I-053
 민병준 Fp-III-006
 민병진 Dp-III-158
 민병철 Dp-II-090
 민병훈 Hp-III-068
 민복기 KG-28
 민부기 Hp-II-017
 민태윤 Dp-III-153
 민현수 BG-37

바

박강순 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012
 박강순 BG-09
 박강순 Bp-III-014, Bp-III-016
 박강순 Bp-III-017
 박건영 Hp-III-069
 박건태 Ep-II-058
 박경득 Hp-III-063
 박경현 Kp-I-030
 박귀조 Ep-I-014
 박규준 Cp-II-027
 박규창 Ep-IV-121
 박규환 IG-11
 박담비 Kp-III-092
 박담비 Kp-III-126
 박동우 Kp-I-028, Kp-I-030
 박동우 Kp-I-029

박동현 Kp-III-122
 박동희 EG-15
 박명렬 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 박명렬 BG-09
 박명렬 Bp-III-014, Bp-III-016
 박명렬 Bp-III-017
 박미미 Dp-III-134
 박민걸 Dp-III-134
 박민규 Ip-IV-057
 박민규 Ip-IV-058
 박민석 Bp-III-007
 박배호 Dp-III-122
 박배호 Dp-III-123
 박배호 Dp-III-126
 박배호 Dp-III-146
 박배호 Ep-I-039
 박범식 Hp-II-007
 박범식 Hp-II-034
 박병권 Kp-I-009, Kp-I-024
 박병권 Kp-I-014
 박병권 Kp-I-018
 박병규 DG-51
 박병규 DG-53, Dp-II-102
 박병윤 A1-03
 박병천 EG-17
 박봉찬 Dp-I-034
 박상순 Hp-II-048
 박상오 Ip-I-038
 박상현 Ep-I-025
 박상후 Hp-III-089
 박상후 Hp-III-090
 박상희 KF-05(초)
 박성균 Dp-III-156
 박성익 Ep-I-034
 박성종 Ip-I-014
 박성주 EF-04(초)
 박성주 Hp-II-004

박성주 Hp-II-006
 박성주 Hp-II-024
 박성주 Kp-I-012, Kp-I-025
 박성진 Ip-IV-077, Ip-IV-078
 박성진 Kp-III-072
 박성진 Kp-III-092
 박성진 Kp-III-126
 박성찬 Ip-IV-075
 박성훈 DG-61
 박성희 Hp-II-048
 박세준 Ep-I-030
 박세환 Cp-II-037
 박세환 Cp-II-038
 박소연 Dp-IV-174
 박수동 KG-28
 박수현 EG-25
 박수형 Ep-I-043
 박순미 Dp-III-135
 박승남 IG-17
 박승미 Ip-IV-065
 박승민 Kp-III-080, Kp-III-106
 박승종 Kp-III-092
 박승종 Kp-III-126
 박신영 Kp-III-076
 박연수 Hp-II-016
 박영미 IG-08
 박영미 Ip-IV-042
 박영삼 EG-09
 박영우 Dp-IV-173
 박영익 Fp-III-007
 박영재 FG-07(초)
 박영호 JG-08
 박완서 IG-08
 박용정 Hp-II-024
 박용준 Ep-I-022
 박용준 Hp-III-088
 박우진 EG-13
 박원일 EG-11, KG-05
 박원일 Ep-II-058, Ep-IV-125
 박 윤 Ep-IV-143

박윤희 Ep-I-001
 박인곤 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 박인곤 BG-09, Bp-III-017
 박인곤 Bp-III-014, Bp-III-016
 박인규 CF-13(초)
 박인수 Hp-III-088
 박일흥 BG-04
 박일흥 BG-06, Cp-II-013,
 LG-14
 박일흥 LG-09, LG-12
 박재관 Dp-IV-189
 박재구 EG-28
 박재구 IG-09
 박재규 KG-16
 박재훈 DG-51, DG-53,
 Dp-II-084
 박재희 Kp-III-067,
 Kp-III-088
 박정민 Dp-I-033
 박정식 BG-07(초), BG-08,
 BG-10, BG-11,
 IBG-12, Bp-III-012,
 Bp-III-024
 박정식 BG-09
 박정식 Bp-III-014, Bp-III-016
 박정식 Bp-III-017
 박정혁 BG-51
 박정혁 FF-07
 박정현 Dp-I-017
 박정현 Ep-I-034
 박정호 KG-13, KG-15
 박종대 BG-46
 박종도 Hp-II-022
 박종락 Kp-I-012, Kp-I-025
 박종윤 EG-20
 박종혁 Ep-IV-129
 박주윤 IF-01(초)

박주윤 IG-04
 박준건 Dp-I-020
 박준광 Gp-III-004
 박준교 Hp-III-060
 박준규 Hp-III-066
 박준모 Kp-I-022
 박준식 Cp-II-037
 박준식 Cp-II-038
 박준우 Kp-III-119
 박중헌 Cp-II-026
 박지수 Ip-IV-055
 박지연 Ip-IV-066
 박지용 Dp-IV-175,
 Dp-IV-205
 박지훈 DG-20
 박진섭 KG-21(초)
 박진성 Kp-III-086,
 Kp-III-104
 박진수 Dp-I-002, Dp-I-018,
 Dp-I-024
 박진영 Dp-IV-182, Dp-IV-196
 박진영 Dp-IV-217
 박진용 CG-09, HG-10
 박진용 CG-14
 박진용 Hp-II-010
 박진형 Ep-IV-128
 박진홍 DG-16
 박창영 Dp-III-127
 박창영 Kp-III-096
 박창용 Jp-II-002
 박창원 DF-31
 박창원 DG-66
 박철홍 Dp-III-164
 박철훈 Ep-IV-089
 박한솔 Ep-I-025
 박한영 Ep-I-046
 박해용 Jp-II-002
 박 현 Ep-IV-091
 박현규 Kp-I-013, Kp-I-026
 박현민 Dp-III-120

박현우 Kp-III-104
 박현준 Dp-IV-216
 박형렬 IG-08
 박형렬 Ip-IV-042
 박형찬 Ip-I-013
 박환배 Cp-II-029
 박효열 Ep-IV-133
 박효열 Kp-I-050
 박효원 Kp-I-047, Kp-I-059
 박효원 Kp-I-063
 박효원 Kp-III-082
 박효주 EG-01
 박훈민 Ep-IV-130
 박희수 IG-14(초)
 방성우 Ep-IV-128
 방승규 Dp-III-136
 방태환 Kp-III-110
 방태환 Kp-III-128
 방형찬 BG-03
 배가람 Ep-IV-105
 배 강 Dp-III-119, Dp-III-136,
 Dp-IV-191, Ep-II-066
 배기홍 HG-08(초), Hp-II-037
 배기홍 Hp-II-020, Hp-II-021
 배동현 Ip-IV-069
 배문섭 Dp-II-097
 배병성 EG-01
 배병성 KG-29
 배병성 Kp-III-066
 배병성 Kp-III-072
 배삼용 Ip-IV-055
 배상욱 Kp-III-122
 배상윤 Ip-I-028, Ip-I-029
 배선민 Kp-I-004
 배세환 Dp-I-042
 배세환 HG-04
 배소익 EG-03
 배유리 Dp-I-002, Dp-I-013,
 Dp-I-016, Dp-I-018,
 Dp-I-024, Dp-I-036

배유정 DG-32
 배유정 Dp-II-063
 배인호 IG-17
 배재범 Cp-II-029
 배재현 DG-66
 배종성 Dp-III-156
 배종성 Ep-IV-086, Ep-IV-087
 배진호 Kp-III-071,
 Kp-III-075,
 Kp-III-078,
 Kp-III-094
 배태길 Bp-III-003, Bp-III-019
 배태길 Bp-III-010
 배호준 Kp-I-025
 배효원 HG-07, Hp-III-077,
 Hp-III-079
 백경선 Kp-I-059
 백경선 Kp-I-063
 백경선 Kp-III-082
 백광윤 BG-01, Bp-III-020,
 CG-14
 백성림 EG-32
 백성호 Ep-IV-156
 백운학 FG-10
 백재현 DG-67
 백종서 Kp-I-015
 백종협 Kp-I-012, Kp-I-025
 백창규 Dp-IV-166
 변미랑 EG-32
 변미랑 Ep-IV-087
 변용성 Hp-II-017
 변익수 Dp-III-123
 변준석 Kp-III-105
 변지수 Kp-I-029
 변창우 Jp-II-009
 부경미 Dp-II-079, Dp-II-091
 부상돈 Dp-III-146, Dp-III-151,
 Dp-III-152, Dp-III-154,
 Dp-III-157, Dp-III-160
 부영건 Dp-I-005

부영건 Dp-I-011
 부영건 Dp-I-019, Dp-I-025,
 Dp-I-028, Dp-I-031
 부영건 Dp-I-039
 빈석민 Kp-I-041

사

사무엘 스테파난
 Bp-III-024
 사무엘 스테파난 BG-09
 사무엘 스테파난
 BG-10, BG-11,
 Bp-III-012
 사무엘 스테파난
 Bp-III-014, Bp-III-016
 서경미 Dp-I-055
 서기완 Ep-IV-129
 서동주 Ep-IV-107
 서동철 Cp-II-030
 서미희 Hp-III-080,
 Hp-III-081
 서민기 Dp-IV-168
 서민기 Dp-IV-206
 서민정 Jp-II-001
 서민정 Jp-II-010
 서병진 DF-24
 서성규 KF-03(초)
 서성보 Dp-III-119,
 Dp-III-136,
 Dp-IV-191,
 Ep-II-066
 서순애 DF-27(초)
 서순애 Dp-II-107
 서승원 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 서승원 BG-09
 서승원 Bp-III-014, Bp-III-016

서승원 Bp-III-017
 서연우 Kp-I-002
 서옥균 DG-46
 서용문 Dp-I-044
 서윤석 BG-41
 서은숙 LG-09
 서장훈 Hp-III-069
 서장훈 Hp-III-071
 서정은 BG-04
 서정은 LG-09
 서정은 LG-14
 서주영 Kp-I-051
 서지근 DG-43
 서태원 Kp-III-104
 서현관 Bp-III-006
 서호영 Ep-I-018
 서환석 Ip-IV-077
 서효진 Ep-II-060
 서효진 Ep-IV-080, Ep-IV-085
 석해진 Dp-I-022
 석해진 Dp-I-033
 석희용 Hp-II-015
 선종호 HG-07,
 Hp-III-080,
 Hp-III-081
 설경태 Hp-II-007
 설경태 Hp-II-033
 설승권 Ep-IV-121
 성건용 KF-02(초)
 성낙언 Dp-IV-179
 성삼식 Dp-IV-217
 성상근 DF-07, DG-35
 성상근 Dp-III-113
 성승기 Ip-I-035
 성시진 DG-46
 성시진 Dp-III-133, Dp-III-139
 성우경 FG-05
 성원경 DG-10
 성일수 BG-03
 성재희 HG-08(초), IG-01(초),

Ip-I-002, Ip-I-015,
 Ip-I-016, Ip-I-023,
 Ip-I-027
 성재희 IG-03, IG-06,
 Ip-I-007, Ip-I-008,
 Ip-I-009, Ip-I-018,
 Ip-I-019, Ip-I-020,
 Ip-I-021, Ip-I-024,
 Ip-I-025
 성태연 EF-03(초)
 세르게이 체보타료프
 BG-10, BG-11,
 Bp-III-012
 세르게이 체보타료프
 Bp-III-014, Bp-III-016
 세르게이 초보타료프
 BG-09
 세르게이 체보타료프
 Bp-III-024
 소중호 BG-03
 소중호 Bp-III-009
 손광수 Ep-IV-125
 손동익 EG-15, Ep-IV-117,
 KG-05
 손맹호 Kp-III-071, Kp-III-075,
 Kp-III-078, Kp-III-094
 손민지 Dp-IV-171
 손병희 EG-28
 손상호 Ep-IV-100, Ep-IV-106
 손선영 Dp-III-119,
 Dp-III-136,
 Dp-IV-191,
 Ep-II-066
 손성민 Dp-I-046
 손승우 FG-12
 손아름 Ep-IV-129
 손영덕 Kp-III-099
 손영욱 Dp-IV-179, Hp-III-088
 손용준 Kp-III-090
 손우식 FG-07(초)

손원준 Dp-III-132
 손윤규 Hp-II-004
 손윤규 Hp-II-024
 손익부 Ip-I-004
 손인호 Ep-II-057
 손일호 EF-16
 손장엽 EG-36
 손재상 Kp-III-085
 손정민 Ep-IV-149
 손창원 Kp-I-029
 손희진 Ep-IV-159
 송규정 Dp-I-055
 송규호 EG-03
 송다현 DG-46
 송대용 Cp-II-038
 송동준 DG-40
 송동준 Dp-I-005
 송동준 Dp-I-011
 송동준 Dp-I-019, Dp-I-025,
 Dp-I-028, Dp-I-031
 송동준 Dp-I-039
 송동준 PA-10
 송동훈 IG-16
 송만석 Kp-I-040,
 Kp-I-055
 송명근 Cp-II-013
 송명근 Cp-II-020
 송미선 Ep-IV-129
 송미영 Jp-II-011
 송보미 Ep-IV-144
 송상훈 Dp-IV-216
 송승기 Dp-I-044
 송승철 Ip-IV-055
 송아리 Ep-IV-143
 송영호 CG-17
 송우석 EG-20
 송우섭 IF-05(초)
 송윤미 Kp-I-022
 송인철 HG-07, Hp-III-077,
 Hp-III-079

송정현 BG-19
 송종한 Kp-III-086
 송종현 DF-07, DG-35
 송종현 Dp-III-113
 송진동 Dp-IV-174
 송진동 KG-18
 송진동 Kp-I-027
 송진호 Kp-III-086
 송진호 Kp-III-099, Kp-III-112
 송태권 Dp-I-002, Dp-I-016,
 Dp-I-018, Dp-I-024
 송현석 Dp-II-072
 송호성 IF-05(초)
 송홍주 KG-10, KG-14,
 KG-15
 송홍주 KG-13
 송후영 Kp-I-051
 스테파난 사무엘
 BG-07(초), BG-08
 스테파난 사무엘
 Bp-III-017
 스테파난, 사무엘
 BG-12
 시 량 Ep-IV-080
 신경호 Dp-II-090
 신경호 Dp-II-107
 신 구 Ep-I-006
 신동규 Kp-I-008, Kp-I-026
 신동근 Ep-I-043
 신동수 Ip-IV-066, Ip-IV-069
 신동수 KG-08
 신동열 Kp-III-087,
 Kp-III-088
 신동훈 Hp-II-043, Hp-II-044
 신동희 Kp-III-087,
 Kp-III-088
 신상진 BG-41
 신상훈 KG-18
 신상훈 Kp-I-027
 신석훈 Ip-I-013

신선영 Dp-III-139
 신성철 A1-01
 신성철 Dp-II-072
 신승인 Dp-I-020
 신용로 DG-45
 신용욱 Hp-II-044
 신용진 lp-IV-071, lp-IV-072
 신유리미 DG-05
 신유석 lp-IV-079
 신은정 Ep-I-016
 신은정 Kp-I-001,
 Kp-I-006,
 Kp-I-037
 신익철 Fp-III-016
 신재익 LG-15
 신종근 Fp-III-023
 신종화 EF-10(초)
 신준환 Ep-IV-129
 신지선 Dp-II-063
 신진욱 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 신진욱 BG-09
 신진욱 Bp-III-014, Bp-III-016
 신진욱 Bp-III-017
 신평지 Ep-I-005
 신현덕 DG-37
 신현수 Kp-III-081
 신현준 DG-67
 신현준 Dp-IV-179
 신호심 Gp-III-001
 신흥식 Dp-II-076
 신희성 Cp-II-037
 신희성 Cp-II-038
 심광숙 CF-09, Cp-II-013
 심광숙 Cp-II-008
 심수민 Dp-I-029
 심승보 DF-07, DG-35,
 Dp-III-113

심승보 Hp-III-077
 심영보 lp-I-036, lp-I-037
 심은희 Kp-I-048
 심인보 Dp-II-065
 심전자 Kp-I-062
 심정석 Dp-III-158
 심종인 KG-08
 심지훈 DG-28(초),
 Dp-I-010,
 Dp-I-040
 심지훈 Dp-I-053
 심현하 CG-05, Hp-II-048
 심현하 CG-07
 심형준 DG-68
 심흥선 DG-61
 심흥선 IG-14(초)
 심흥선 IG-19

아

안경한 DG-28(초)
 안광준 IG-08
 안광준 lp-IV-042
 안도열 Kp-III-071,
 Kp-III-075,
 Kp-III-078,
 Kp-III-094
 안민 Kp-III-092
 안민 Kp-III-126
 안병곤 Kp-III-070
 안상정 EG-17
 안상현 FG-09
 안선일 Bp-III-013
 안영환 Dp-IV-175,
 Dp-IV-205
 안영환 EG-28
 안영환 IG-09
 안예환 Dp-IV-167,
 Dp-IV-187,
 Dp-IV-209

안재영 Dp-II-063
 안재평 DG-10
 안정근 BG-01, Bp-III-020,
 CG-11
 안정근 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024, CF-07,
 CF-11
 안정근 BG-09, CF-06
 안정근 Bp-III-014, Bp-III-016
 안정근 Bp-III-017, CF-10
 안정근 CG-14
 안정근 HG-12
 안찬용 Hp-III-068
 안창원 Dp-I-022, Dp-I-042
 안창원 Dp-I-033
 안창원 Dp-I-034
 안창원 Dp-III-146
 안치원 Ip-I-007
 안형수 Kp-I-004
 안효섭 Ep-I-017
 안효섭 Ep-IV-151
 안희진 Kp-III-080, Kp-III-106
 양길석 CG-18
 양 민 Kp-I-004
 양병수 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 양병수 BG-09
 양병수 BG-12
 양병수 Bp-III-014, Bp-III-016
 양병수 Bp-III-017
 양부승 Hp-III-079
 양상모 Dp-III-153
 양선아 Dp-III-146,
 Dp-III-152,
 Dp-III-157
 양성배 Bp-III-017

양승범 Kp-I-049,
 Kp-III-087,
 Kp-III-088
 양용석 Dp-III-143
 양용석 Dp-IV-166
 양용석 Dp-IV-171
 양일석 EG-09
 양재훈 DG-08
 양정문 Ip-I-024
 양정화 DG-64
 양종만 LG-09
 양찬호 DG-50
 양찬호 Dp-I-030
 양 책 EG-37
 양태건 Hp-II-016
 양해룡 Hp-II-004
 양해룡 Hp-II-006
 양형우 DG-08, Ep-I-021
 양호순 EG-32
 양호순 Ep-IV-082, Ep-IV-084,
 Ep-IV-086, Ep-IV-087
 양희준 DF-31
 엄만진 Dp-II-084
 엄성호 Cp-II-037
 엄영호 Kp-I-050
 엄영호 Kp-III-080, Kp-III-106
 엄종화 Ep-I-006
 엄환섭 Hp-II-043
 여인성 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 여인성 BG-09
 여인성 Bp-III-014
 여인성 Bp-III-016
 여인성 Bp-III-017
 여창수 Kp-III-086
 염동일 Ip-IV-046
 염동한 LG-08
 염세혁 Ep-II-070

염세혁 Ip-IV-040, Ip-IV-041
 염한웅 A5-01
 오갑진 Fp-III-012
 오경환 Ip-I-030
 오경환 Ip-I-034, Ip-IV-058,
 Ip-IV-059
 오경환 Ip-IV-057
 오경환 Ip-IV-060
 오광택 Dp-III-126
 오광택 Ep-I-039
 오민욱 KG-28
 오상미 Ep-IV-107
 오상수 Dp-I-055
 오세욱 Dp-II-070
 오소영 Kp-I-011
 오승종 Kp-I-025
 오승태 Cp-II-030
 오시덕 Kp-I-003
 오시덕 Kp-I-019
 오영도 Bp-III-007
 오영현 Dp-IV-168
 오영현 Dp-IV-206
 오왕열 EF-15(초)
 오원근 A1-05
 오원근 GG-03
 오은순 Kp-I-057
 오은지 Ep-IV-133
 오재응 Kp-I-009
 오재응 Kp-I-014
 오재응 Kp-I-018
 오재응 Kp-I-024
 오종석 Hp-II-004
 오종석 Hp-II-006
 오주희 Hp-II-045
 오차환 Hp-III-063, Ip-IV-060
 오차환 JG-08
 오창헌 LG-04
 오철민 Ep-I-034, Ep-IV-105
 오태식 Ip-I-026
 오현주 Hp-II-017

오형택 Kp-I-049
 옥경철 Kp-III-104
 옥정우 CG-09, HG-10
 옥정우 Hp-II-010
 옥진은 Kp-I-004
 온연길 Hp-III-065
 왕현호 DG-05
 우원석 Dp-I-034
 우정원 EG-39
 우정원 EG-40
 우제흔 EG-39
 우제흔 EG-40
 우종관 BG-01, Bp-III-020
 우종철 Ep-II-057
 우지선 Fp-III-001
 우창수 DG-50, Dp-I-030
 우현석 Kp-III-084
 우현종 Hp-III-063
 우현주 Ip-IV-066
 우형주 Cp-II-026, Cp-II-027
 우오즈미 사토루
 Bp-III-007
 원미숙 CG-09, HG-10
 원미숙 Dp-III-156
 원미숙 Hp-II-010
 원은일 Bp-III-004
 원준연 Jp-II-001
 원준연 Jp-II-010
 원창연 Dp-II-070, Dp-II-079,
 Dp-II-091
 유광수 IG-19
 유권규 EF-14(초)
 유대중 Hp-III-067
 유대혁 Jp-II-002
 유대황 Ip-I-035
 유동선 Bp-III-021, Kp-I-044
 유동성 Dp-III-161
 유선영 HG-12
 유세기 EG-31(초)
 유소영 Kp-I-003

유소영 Kp-I-019
 유수경 Kp-I-007
 유수창 Ep-I-040
 유승희 Kp-I-059
 유승희 Kp-I-063
 유승희 Kp-III-082
 유신재 HF-02(초)
 유신재 Hp-III-074
 유영문 Dp-IV-182
 유원종 EG-37
 유원종 KG-30
 유원종 KG-31
 유원종 Kp-I-062
 유윤식 Dp-IV-188
 유윤식 Dp-IV-199
 유인경 A3-03
 유인공 Ep-IV-091
 유인규 Kp-III-117
 유인태 BG-07(초), BG-08,
 BG-10, BG-11,
 IBG-12, Bp-III-012,
 Bp-III-024
 유인태 BG-09
 유인태 Bp-III-006
 유인태 Bp-III-014, Bp-III-016
 유인태 Bp-III-017
 유 일 Dp-IV-188
 유 일 Dp-IV-199
 유재석 Ep-I-006
 유재수 Kp-I-038
 유주형 Ep-IV-130
 유주형 Ep-IV-157
 유지범 Ep-I-012,
 Ep-II-069
 유지수 Ep-I-001
 유지수 Kp-I-042,
 Kp-I-045
 유찬호 Ep-IV-113
 유채현 BG-28
 유채현 BG-29

유천열 A7-01(초)
 유천열 Dp-II-090,
 Dp-II-103
 유청종 Dp-IV-179
 유태양 Ep-II-070
 유태준 HG-08(초), IG-01(초),
 Ip-I-002, Ip-I-015,
 Ip-I-016, Ip-I-023
 유태준 IG-03, IG-06,
 Ip-I-007, Ip-I-008,
 Ip-I-009, Ip-I-017,
 Ip-I-018, Ip-I-019,
 Ip-I-020, Ip-I-021,
 Ip-I-024, Ip-I-025
 유평렬 Kp-I-041
 유허근 Ep-I-027
 유현웅 Dp-III-135
 유형근 Ep-I-026, Ep-I-031,
 Ep-I-037, Ep-I-041,
 Ep-I-045
 육순형 Fp-III-024
 윤동렬 Ep-IV-116
 윤동열 Ep-IV-134
 윤동열 Ep-IV-149
 윤만영 Kp-I-041
 윤문지 Ep-I-027
 윤민석 Ip-I-038
 윤상재 IG-01(초), Ip-I-002
 윤상준 Ep-IV-119
 윤상필 Hp-II-019
 윤석현 Dp-III-161
 윤석현 Ep-IV-129
 윤선현 Ip-IV-055
 윤성로 Ip-IV-061, Ip-IV-062
 윤성민 Kp-I-059
 윤성민 Kp-I-063
 윤성민 Kp-III-082
 윤성현 Ep-I-040
 윤영덕 Hp-II-039
 윤영빈 Cp-II-009

윤영운 Ep-I-026, Ep-I-031,
 Ep-I-037, Ep-I-041,
 Ep-I-045
 윤용선 Cp-II-011
 윤원석 DG-67
 윤원식 CG-13
 윤위일 Kp-I-004
 윤의준 EF-01(초)
 윤인성 Ep-I-039
 윤장노 Fp-III-015
 윤장희 CG-09, HG-10
 윤장희 Dp-III-156
 윤장희 Hp-II-010
 윤정식 HF-02(초)
 윤정식 Jp-II-011
 윤제호 Ip-IV-066
 윤종건 DF-29
 윤종건 DG-19, DG-20,
 DG-45, Dp-III-132,
 Dp-IV-207
 윤종걸 Dp-III-153
 윤종문 KG-09
 윤종원 EG-13
 윤종익 Cp-II-020
 윤주선 KG-08
 윤준호 Ep-II-067
 윤진우 HG-08(초),
 IG-01(초), Ip-I-002
 윤진우 IG-06, Ip-I-020,
 Ip-I-021, Ip-I-024,
 Ip-I-025
 윤창준 Ip-I-026
 윤천주 Ip-IV-054
 윤 혁 IG-01(초), IG-03,
 Ip-I-002
 윤 혁 Ip-I-007,
 Ip-I-009, JG-06,
 Jp-II-004
 윤현식 Kp-I-040,
 Kp-I-055

윤현식 Kp-I-046
 윤호원 EG-01
 이강석 Kp-I-004
 이강영 A6-02
 이강영 BG-18
 이강영 BG-19
 이강인 Ip-I-028,
 Ip-I-029
 이강훈 BG-51
 이경동 Dp-I-011
 이경동 Dp-I-019
 이경동 Dp-II-072
 이경민 Bp-III-004
 이경범 CG-13
 이경세 CG-05, Hp-II-048
 이경세 CG-07
 이경세 Cp-II-008
 이경수 Kp-I-051
 이경환 Ip-IV-061
 이 공 Ip-IV-064
 이광섭 Ep-IV-124
 이광원 Ip-I-028,
 Ip-I-029
 이광진 IG-13, Ip-IV-048
 이규민 Fp-III-018
 이규준 Ep-IV-095
 이규형 DG-28(초)
 이근섭 DG-68
 이근식 Dp-I-010
 이근우 Ep-IV-130
 이기봉 DG-53, Dp-II-084,
 Ep-I-022
 이기원 Ep-I-024
 이기주 KG-04
 이기진 Ep-I-026, Ep-I-031,
 Ep-I-037, Ep-I-041,
 Ep-I-045
 이길호 Dp-IV-167,
 Dp-IV-187
 이남기 EF-06(초)

이년종 DG-32
 이년종 Dp-II-063
 이대수 Dp-III-153
 이대영 EG-37
 이대영 Kp-I-062
 이대호 Kp-III-089
 이덕재 Fp-III-006
 이덕현 Dp-III-122
 이덕현 Dp-III-123
 이동근 Ip-IV-051
 이동기 Ep-I-005
 이동기 Ep-IV-088
 이동욱 Ep-II-066
 이동한 KG-16, KG-17
 이동한 Kp-I-007,
 Kp-I-015
 이동현 Ep-IV-125
 이동훈 IG-17
 이동훈 Ip-I-014
 이동훈 Kp-I-023
 이동훈 Kp-I-034
 이두형 Hp-III-066
 이명기 FG-01(초)
 이명복 EG-03
 이명재 BG-03
 이명재 Bp-III-009
 이명환 Dp-I-002, Dp-I-016,
 Dp-I-018, Dp-I-024
 이무현 LG-09
 이무희 Dp-III-158
 이문선 Kp-III-071,
 Kp-III-075,
 Kp-III-078,
 Kp-III-094
 이미정 Dp-III-123
 이민규 CG-13
 이민영 Kp-III-084
 이민호 Ep-IV-134
 이민호 Jp-II-009
 이범성 PA-10

이범훈 BG-50
 이범훈 LG-08
 이병섭 CG-09, HG-10
 이병섭 Dp-III-156
 이병섭 Hp-II-010
 이병주 Kp-III-083
 이병준 Hp-II-024
 이병찬 Dp-IV-169
 이병하 IG-10
 이병훈 EG-13
 이보영 Hp-II-045
 이보훈 Dp-I-050
 이봉주 Hp-II-043, Hp-II-044
 이봉주 Hp-III-083,
 Hp-III-092,
 Hp-III-093
 이삼녕 Ep-IV-159
 이상곤 Hp-III-060
 이상곤 Hp-III-061
 이상봉 Ip-IV-064
 이상석 EF-16
 이상선 Dp-II-097
 이상욱 Dp-IV-173
 이상욱 Kp-III-074
 이상원 Ep-II-070
 이상조 Kp-I-029
 이상주 Hp-II-043,
 Hp-II-044
 이상준 BG-03
 이상준 Bp-III-009
 이상준 CG-13
 이상준 Kp-I-023,
 Kp-I-029
 이상준 Kp-I-028,
 Kp-I-030
 이상준 Kp-I-034
 이상철 EG-13
 이상태 Kp-I-014
 이상태 Kp-I-018
 이상태 Kp-I-024

이상헌 BG-46
 이상헌 EG-24(초)
 이상호 EG-35
 이상호 EG-36
 이상화 Dp-II-076
 이상화 Kp-I-026, Kp-I-033
 이상훈 CG-13
 이상훈 Dp-II-084
 이석관 Hp-III-065
 이석관 Hp-III-066
 이석호 IG-08
 이선규 Ip-I-026
 이선아 Cp-II-004
 이선영 Dp-I-022
 이성구 HG-08(초), IG-01(초),
 Ip-I-002, Ip-I-016,
 Ip-I-023
 이성구 IG-03, IG-06,
 Ip-I-007, Ip-I-008,
 Ip-I-009, Ip-I-018,
 Ip-I-019, Ip-I-020,
 Ip-I-021, Ip-I-024,
 Ip-I-025
 이성래 Ip-IV-059
 이성래 Ip-IV-060
 이성만 Hp-II-048
 이성수 Ep-I-005
 이성수 Ep-I-035
 이성수 Ip-IV-066, Ip-IV-069
 이성엽 Ep-IV-131
 이성준 Kp-III-071, Kp-III-075,
 Kp-III-078, Kp-III-094
 이성표 DG-46
 이수길 EG-36
 이수옥 DG-09
 이수형 CF-14(초)
 이수형 CG-21
 이순걸 DF-07
 이순례 Cp-II-013
 이순일 Dp-IV-175,

Dp-IV-205
 이순일 EG-28
 이순일 Ep-I-028
 이순일 IG-09
 이승규 CG-08
 이승란 DG-35
 이승묵 Kp-III-105
 이승석 Ip-IV-071, Ip-IV-072
 이승섭 IG-14(초)
 이승우 Fp-III-007
 이승웅 Dp-III-122
 이승웅 Dp-III-123
 이승재 Cp-II-022
 이승헌 Hp-III-061,
 Hp-III-062
 이승헌 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 이승헌 BG-09
 이승헌 Bp-III-014, Bp-III-016
 이승헌 Bp-III-017
 이승호 Ep-II-078
 이승환 KG-30
 이승환 KG-31
 이승환 Kp-I-062
 이시진 Ip-I-028,
 Ip-I-029
 이신범 Ep-I-027
 이여진 DG-10
 이연승 Kp-III-083,
 Kp-III-124
 이연승 Kp-III-101
 이연의 EG-39
 이연의 EG-40
 이연일 Ep-II-067
 이연진 EG-15
 이연진 Ep-I-043
 이영민 Kp-I-048
 이영욱 Hp-III-075

이영원 BG-49
 이영원 BG-50
 이영재 LG-08
 이영철 Kp-I-004
 이예리 DG-66
 이오철 FG-05
 이용민 Ip-I-026
 이용우 DG-51
 이용윤 Kp-III-071, Kp-III-075,
 Kp-III-078, Kp-III-094
 이용혁 Kp-III-083, Kp-III-124
 이용혁 Kp-III-101
 이용호 EF-14(초)
 이용호 Ip-IV-078
 이우상 DG-68
 이우영 Ep-IV-120
 이우진 Kp-III-111
 이우현 HG-02
 이원규 Jp-II-002
 이원우 Ep-IV-125
 이원우 LG-08
 이유미 Ip-IV-053
 이윤희 Dp-IV-177, Dp-IV-184
 이은성 Bp-III-021, Kp-I-044
 이은송이 Ep-IV-156, Kp-III-116
 이은송이 KG-04
 이은숙 Dp-II-102
 이은중 Ep-IV-143
 이은혜 Dp-IV-174
 이익재 Dp-IV-179, Hp-III-088
 이인열 Kp-III-074
 이인원 JG-08
 이인환 Kp-I-010
 이장원 Dp-II-107
 이재구 HF-01(초),
 Hp-III-074
 이재금 BG-03
 이재기 CG-14
 이재란 Gp-III-002
 이재란 Ip-IV-049

이재석 EG-11
 이재성 FF-02
 이재승 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 이재승 BG-09
 이재승 Bp-III-014, Bp-III-016
 이재승 Bp-III-017
 이재종 DG-09
 이재철 Dp-II-107
 이재환 Fp-III-025
 이재환 IF-01(초)
 이정민 EG-11
 이정민 Ep-II-058
 이정열 Hp-III-077
 이정용 Ep-I-016
 이정용 KG-09
 이정용 Kp-I-001,
 Kp-I-037
 이정원 Dp-III-122
 이정은 Bp-III-007
 이정일 BG-03
 이정일 BG-29
 이정일 Bp-III-009
 이정일 Dp-IV-174
 이정재 BG-49
 이정주 Kp-III-096
 이정희 EF-02(초)
 이제현 Ep-I-043
 이제형 DG-32
 이종덕 Kp-III-096
 이종림 Dp-I-046
 이종모 EG-01
 이종민 HG-08(초), Hp-II-002,
 Hp-II-003, Hp-II-037,
 IG-01(초), Ip-I-002,
 Ip-I-015, Ip-I-016,
 Ip-I-023, Ip-I-027
 이종민 Ip-I-027

이종민 Hp-II-020, Hp-II-021
 이종민 IG-03, IG-05,
 IG-06, Ip-I-006,
 Ip-I-007, Ip-I-008,
 Ip-I-009, Ip-I-017,
 Ip-I-018, Ip-I-019,
 Ip-I-020, Ip-I-021,
 Ip-I-024, Ip-I-025,
 JG-06, Jp-II-004
 이종민 KG-16, KG-17
 이종민 Kp-I-007,
 Kp-I-015
 이종석 Bp-III-006
 이종섭 Hp-III-080,
 Hp-III-081
 이종수 DG-28(초)
 이종수 Dp-III-162
 이종원 Kp-I-041
 이종훈 Ip-I-028,
 Ip-I-029
 이종희 Dp-IV-177
 이주련 Fp-III-025
 이주인 Kp-I-039,
 Kp-I-058
 이주한 Cp-II-022
 이주한 Cp-II-023
 이주형 IF-03(초)
 이주형 Kp-I-042,
 Kp-I-045
 이주호 DG-66
 이주희 BG-03
 이 준 Ep-I-009
 이준규 BG-37
 이준서 CG-13
 이준성 Cp-II-011
 이준식 DG-53
 이준호 KG-10, KG-14,
 KG-15
 이준호 KG-13
 이지섭 Ep-IV-091

이지수 Ip-I-010
 이지영 Dp-IV-199
 이지예 IG-08
 이 직 BG-04
 이 직 Cp-II-013
 이 직 LG-09, LG-12
 이 직 LG-14
 이진용 Kp-I-048
 이진홍 DG-50, Dp-I-030
 이찬혁 Dp-II-065
 이창구 Dp-III-123
 이창묵 DG-62
 이창원 Ip-I-023
 이창원 Ip-I-025
 이창호 Hp-II-022
 이창호 Hp-II-029
 이채순 Hp-II-039
 이철의 Hp-III-066
 이철훈 LG-04
 이초은 Kp-I-048
 이춘식 Cp-II-022
 이춘식 Cp-II-023
 이충희 EF-13(초)
 이충희 EF-16
 이택희 EG-13
 이태균 LG-03
 이태동 Ep-I-025
 이태훈 Cp-II-038
 이팽로 Dp-III-133, Dp-III-139
 이한구 Dp-II-095, Dp-IV-179
 이한나 Dp-I-042
 이한범 Cp-II-008
 이한주 Ep-I-026, Ep-I-031,
 Ep-I-037, Ep-I-041,
 Ep-I-045
 이해준 HF-02(초)
 이해준 HG-07
 이해준 Hp-III-077,
 Hp-III-079
 이해준 Hp-III-078

이현수 Fp-III-001
 이혁무 Ep-II-068
 이현복 Ep-I-043
 이현우 Dp-II-107
 이현진 Dp-II-095
 이현태 EG-26
 이현희 EG-39
 이현희 EG-40
 이형락 Ep-IV-131
 이형민 EG-03
 이해란 Hp-III-075
 이해영 BG-04
 이해영 Cp-II-013
 이해영 LG-09
 이해정 Ep-II-078
 이해진 CG-13
 이호근 Dp-I-050
 이호석 Ep-IV-100, Ep-IV-106
 이호선 Kp-III-119
 이호섭 Dp-III-142, Ep-I-005
 이호성 Dp-II-070, Dp-II-091
 이호준 Hp-III-079
 이홍석 KG-11, Kp-I-042,
 Kp-I-045
 이화련 Hp-II-016
 이화민 EG-37
 이효상 BG-01
 이효상 Bp-III-009
 이효상 Bp-III-020
 이효상 CG-14
 이효성 Ep-I-016
 이효성 Kp-I-001, Kp-I-006,
 Kp-I-037
 이후종 Dp-IV-167,
 Dp-IV-187
 이희석 Hp-II-045
 이희웅 KG-28
 이희재 Hp-II-022
 이희재 Hp-II-029
 이희조 Ep-I-006

인상렬 Hp-II-012
 임계엽 BG-01
 임계엽 Bp-III-020
 임광국 Kp-I-039,
 Kp-I-058
 임규빈 Fp-III-012
 임규창 FG-08
 임근웅 Kp-III-067
 임기영 Kp-I-032
 임동석 Ep-I-016
 임동석 Kp-I-001, Kp-I-006,
 Kp-I-037
 임동혁 Kp-III-099,
 Kp-III-112
 임사회 Ep-IV-089
 임상훈 Cp-II-013
 임선인 LG-09
 임성민 GG-01
 임성민 GG-06
 임애란 Dp-II-098, Dp-II-111
 임애란 Dp-III-158
 임연호 HF-02(초)
 임영대 EG-37
 임영훈 Dp-III-143
 임은태 Ip-I-003
 임은태 Ip-IV-065
 임인택 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 임인택 BG-09
 임인택 Bp-III-014, Bp-III-016
 임인택 Bp-III-017
 임재영 Kp-I-029, Kp-I-039,
 Kp-I-058
 임재홍 Hp-II-032
 임정우 Kp-I-038
 임종혁 Dp-IV-175
 임종혁 Ep-I-028
 임주영 Kp-I-027

임 준 Hp-II-032
 임지순 DF-31
 임지순 DG-66
 임지천 Dp-I-055
 임창휘 Cp-II-021
 임초롱 BG-26
 임춘식 Dp-I-031
 임현식 Kp-III-084, Kp-III-085,
 Kp-III-090
 임현택 PD-07(초)
 임희진 BG-06
 임희진 LG-12
 임규창 FG-10

자

장경혁 Ep-II-060
 장경혁 Ep-IV-080, Ep-IV-085
 장기완 Dp-III-142, Ep-I-005
 장기완 lp-IV-066
 장대진 lp-I-014
 장도근 Hp-II-015
 장두희 Hp-II-012
 장문규 EG-09
 장문형 Kp-III-092
 장병욱 Kp-III-090
 장상현 BG-19
 장서형 Ep-I-027
 장성덕 Hp-II-004
 장성덕 Hp-II-032
 장세홍 Dp-I-042
 장수경 Kp-I-047, Kp-I-059
 장수경 Kp-I-063
 장수경 Kp-III-082
 장승훈 Kp-III-068, Kp-III-073
 장시원 Hp-III-061
 장아랑 EG-14
 장용식 CG-13
 장원석 Ep-IV-121
 장원석 HF-02(초)

장원준 DF-29
 장원준 DG-45
 장은혜 Ep-I-034, Ep-IV-105
 장정원 DF-07, DG-35,
 Dp-III-113
 장정원 Ep-IV-095
 장지승 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 장지승 BG-09
 장지승 Bp-III-014, Bp-III-016
 장지승 Bp-III-017
 장지완 lp-IV-069
 장지원 Dp-III-136
 장지호 Hp-II-007
 장지호 Hp-II-019
 장지호 Hp-II-034
 장 진 Ep-II-067
 장진희 CG-05
 장진희 CG-07
 장충석 Hp-III-069
 장충석 Hp-III-071
 장태환 DG-51
 장한일 BG-07(초), BG-08,
 BG-09, Bp-III-014
 장한일 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 장한일 Bp-III-016
 장한일 Bp-III-017
 장형근 Kp-III-119
 장혜원 A1-06
 장호영 DG-53, Dp-II-084
 장홍영 Hp-III-076
 전권수 Ep-IV-091
 전기영 Kp-III-084
 전병구 PA-12
 전병억 Dp-I-020, Dp-I-046
 전병천 Ep-IV-080, Ep-IV-085

전병철 Dp-III-153
 전병호 Kp-III-117
 전봉환 KG-16
 전봉환 Kp-I-015
 전상철 IG-03
 전상철 Ip-I-007
 전성란 Ip-I-003
 전성란 Ip-IV-065
 전승기 Kp-I-014
 전승기 Kp-I-018
 전승목 DG-05
 전영표 Ep-IV-112
 전용석 Kp-III-101
 전유승 Ep-I-001
 전은주 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 전은주 BG-09
 전은주 Bp-III-016
 전은주 Bp-III-017
 전인호 Fp-III-023
 전일태 Ep-I-046
 전임탁 BG-51
 전임탁 FF-07
 전정흠 DF-29
 전정흠 DG-45
 전지훈 Ep-I-039
 전진아 BG-04
 전진아 LG-09
 전진아 LG-14
 전철호 EG-20
 전평은 Ep-I-043
 전현수 Kp-I-004
 전호식 KG-29
 전호식 Kp-III-066
 전효은 EF-06(초)
 정경훈 DG-19, DG-20,
 Dp-III-132, Dp-IV-207
 정관수 Kp-I-038

정광식 Kp-III-099,
 Kp-III-112
 정광호 Ep-I-043, Kp-I-063
 정광호 Kp-I-047, Kp-I-059
 정광호 Kp-III-082
 정권범 Kp-III-086, Kp-III-104
 정규선 Hp-III-063
 정기상 CG-21
 정대성 EG-20
 정명신 BG-01
 정명신 Bp-III-020
 정명호 Ep-I-016
 정명호 Kp-I-001, Kp-I-006,
 Kp-I-037
 정명화 Ep-IV-095
 정명환 Bp-III-022, Ep-IV-118
 정명환 Cp-II-033
 정모세 Hp-III-078
 정문성 Ep-IV-098
 정미숙 GG-03
 정보현 Hp-III-065
 정봉철 Fp-III-006
 정상균 Dp-III-161
 정성엽 Ep-II-067
 정성오 GG-02
 정성호 PD-07(초)
 정성환 Kp-III-074
 정세교 Kp-I-004
 정세영 Dp-II-111
 정순신 Ep-IV-121
 정승일 Hp-III-078
 정승호 Hp-II-012
 정애라 LG-12
 정애라 LG-14
 정영균 Ip-IV-042
 정영욱 HG-08(초)
 정영욱 IG-16
 정영의 Dp-III-150
 정우성 EG-20
 정 우 Kp-III-084, Kp-III-085,

Kp-III-090
 정원식 DF-21, Dp-I-019,
 Dp-I-025, Dp-I-028,
 Dp-I-031
 정원식 DG-40
 정원식 Dp-I-005
 정원식 Dp-I-011
 정원식 Dp-I-039
 정윤섭 Ip-I-030
 정윤섭 Ip-I-034,
 Ip-IV-059
 정윤철 DF-06
 정윤철 Dp-IV-168
 정윤철 Dp-IV-206
 정윤희 DG-51
 정은주 Bp-III-014
 정의덕 EG-32
 정의덕 Ep-IV-082, Ep-IV-084
 정의완 Kp-I-048
 정인석 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 정인석 BG-09
 정인석 Bp-III-014, Bp-III-016
 정인석 Bp-III-017
 정인승 Kp-I-047, Kp-I-059
 정인승 Kp-I-063
 정인승 Kp-III-082
 정인희 Kp-I-026
 정재선 Ep-IV-086
 정재우 Dp-II-072
 정재원 FG-10
 정재철 HG-02
 정재호 Dp-II-084
 정재훈 Kp-I-040, Kp-I-055
 정재훈 Kp-I-046
 정종완 Ep-I-006, Ep-I-017
 정종완 Ep-IV-151
 정종훈 Dp-IV-188

정주호 Ip-I-001
 정중현 Dp-III-156, Dp-IV-182,
 Dp-IV-196, Ep-I-005,
 Hp-II-010
 정중현 Dp-IV-217, Ip-IV-066,
 Ip-IV-069
 정지훈 Ip-I-017, KG-18
 정 진 Hp-III-083, Hp-III-092
 정진석 Dp-I-017
 정진수 A1-04
 정진아 Kp-III-117
 정진욱 DG-46
 정진욱 Dp-III-133, Dp-III-139
 정찬수 Dp-III-119
 정창현 Ip-IV-077
 정창희 Dp-III-142
 정채환 Ep-IV-104
 정태문 HG-08(초), Hp-II-002,
 Hp-II-003, IG-01(초),
 Ip-I-002, Ip-I-016,
 Ip-I-023, Ip-I-027
 정태문 IG-03, IG-06,
 Ip-I-007, Ip-I-008,
 Ip-I-009, Ip-I-017,
 Ip-I-018, Ip-I-019,
 Ip-I-020, Ip-I-021,
 Ip-I-024, Ip-I-025
 정태형 EG-09
 정태훈 HG-04, Hp-III-075
 정 택 Jp-II-001
 정 택 Jp-II-010
 정하웅 FG-12
 정하웅 Fp-III-014
 정해용 EG-11
 정행윤 Kp-I-019
 정 혁 KG-16
 정현성 Ep-I-018
 정형석 EG-27
 정형채 Fp-III-016
 정홍채 Dp-IV-182, Dp-IV-196

정회민 PD-07(초)
 정훈일 KG-18
 정희석 BG-29
 정희성 Dp-IV-175
 정희수 HG-05, Hp-III-089
 정희수 Hp-III-090
 제송근 Dp-II-107
 조건호 EG-13
 조광현 BG-41
 조규필 Ep-I-025
 조금재 Ip-I-014
 조기현 Bp-III-003, Bp-III-019
 조기현 Bp-III-013
 조나현 Ep-IV-095
 조덕균 HF-02(초)
 조덕용 EG-27
 조동완 Kp-I-004
 조만호 Kp-III-086
 조만호 Kp-III-092
 조만호 Kp-III-099, Kp-III-112
 조만호 Kp-III-126
 조명래 Ep-IV-143
 조무현 Hp-II-004
 조무현 Hp-II-006
 조무현 Hp-II-022
 조무현 Hp-II-029
 조무현 Hp-III-076
 조민영 Kp-I-039
 조병관 Dp-II-084, Ep-I-022
 조병기 DF-21
 조삼연 Dp-III-146, Dp-III-151,
 Dp-III-152, Dp-III-160
 조상욱 A3-02
 조상혁 Dp-IV-216
 조석범 Ip-I-031, Ip-IV-054
 조성래 DG-05
 조성래 Dp-III-120
 조성오 Ep-II-068
 조성오 Ep-IV-152
 조성윤 Dp-IV-175

조성윤 Ep-I-028
 조소연 Cp-II-004
 조승범 IF-05(초)
 조신호 Ep-I-009, Ep-I-013,
 Ep-I-014, Kp-III-089,
 Kp-III-097
 조영권 Ip-IV-046
 조영달 KG-18
 조영수 Dp-II-076
 조영진 Dp-II-107
 조용섭 Hp-II-007
 조용섭 Hp-II-033
 조용섭 Hp-II-034
 조용훈 KG-09
 조우람 LG-15
 조원국 Fp-III-018
 조윤대 Kp-III-116
 조은진 Ip-IV-069
 조장호 Ep-I-046
 조재흥 Ip-I-033
 조종호 Dp-I-018, Dp-I-024
 조 준 Ep-I-001
 조준우 Jp-II-002
 조준형 DT-04
 조채룡 KG-27
 조천흠 EG-13
 조 혁 Jp-II-011
 조현태 Dp-II-110
 조형근 Ep-IV-131
 조형준 Dp-I-002, Dp-I-018,
 Dp-I-024
 조혜민 HG-04
 주강현 DG-50, Dp-I-030
 주경광 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 주경광 BG-09
 주경광 Bp-III-014, Bp-III-016
 주경광 Bp-III-017

주관식 Cp-II-013
 주미연 Ep-IV-120, Ep-IV-150,
 Kp-I-026
 주영도 Hp-II-023, Hp-II-024
 주은아 CG-05
 주은아 CG-07
 주은아 Cp-II-013
 주재형 Dp-IV-191
 주진우 Kp-I-010
 주진호 Kp-III-105
 주해리 Kp-III-085
 주현진 Kp-III-083,
 Kp-III-124
 주현진 Kp-III-101
 종이온가속기 개념설계팀
 A2-03(초), DF-22
 지승훈 DG-24
 지양화 Bp-III-009
 지효석 Dp-I-010
 진경환 DG-24
 진병문 Dp-I-033

차

차덕준 Ep-I-040
 차명식 Gp-III-004
 차문현 DG-66
 차민철 Fp-III-023
 차성수 Hp-II-007
 차승남 EG-37
 차용호 IG-16
 차혁진 HG-08(초), Hp-II-002,
 Hp-II-003
 차형기 Hp-II-048
 차호석 Ep-IV-166
 채길병 Hp-III-082
 채송아 Dp-I-042
 채영안 Ep-I-040
 채종묵 Ip-I-026
 채희승 Fp-III-024

천명기 CG-02
 천상모 BG-38
 천세환 DG-53
 천승현 Dp-III-161
 천우영 Ip-I-003
 체보타료프 세르게이
 BG-07(초), BG-08,
 BG-12, Bp-III-017
 최강호 Dp-I-033
 최경민 Dp-II-090
 최광혁 Kp-III-095
 최근수 DG-66
 최기영 BG-47
 최기영 PA-12
 최낙렬 Jp-II-009
 최대선 Dp-III-134
 최 덕 Dp-I-044
 최만규 Ep-IV-089
 최만수 Dp-IV-167,
 Dp-IV-187,
 Dp-IV-209
 최만호 Fp-III-006
 최민섭 KG-30
 최민섭 KG-31
 최민식 Hp-III-065
 최민식 Hp-III-066
 최민준 Cp-II-023
 최민혁 EG-13
 최병춘 Dp-I-020, Dp-I-046
 최병춘 Kp-I-065
 최봉주 Ip-IV-061, Ip-IV-062
 최봉혁 BG-01, CG-14
 최봉혁 CF-07
 최봉혁 CF-10
 최상경 IG-14(초)
 최상배 KG-18
 최석봉 Dp-II-107
 최석봉 Ep-IV-119
 최석철 Ep-IV-100, Ep-IV-106
 최석호 Kp-I-049,

Kp-III-067,
 Kp-III-087,
 Kp-III-088
 최석호 Kp-III-119*
 최선호 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 최선호 BG-09
 최선호 Bp-III-014, Bp-III-016
 최선호 Bp-III-017
 최설아 Ep-I-026, Ep-I-031,
 Ep-I-037, Ep-I-041,
 Ep-I-045
 최성율 Kp-III-088
 최성을 Ip-IV-064
 최성휴 Kp-III-110
 최성휴 Kp-III-128
 최세용 CG-09, HG-10
 최세용 Dp-III-156
 최세용 Hp-II-010
 최세진 Ep-IV-101
 최수봉 Ip-IV-042
 최수용 CF-04(초)
 최승연 EG-37
 최연주 LG-12
 최영규 Bp-III-002
 최영일 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 최영일 BG-09
 최영일 Bp-III-002, Bp-III-006
 최영일 Bp-III-014, Bp-III-016
 최영일 Bp-III-017
 최영진 Dp-IV-189
 최영하 Ep-IV-095
 최용대 Kp-I-041
 최용찬 Dp-III-151
 최우준 IG-10

최원국 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 최원국 BG-09
 최원국 Bp-III-014, Bp-III-016
 최원국 Bp-III-017
 최원국 EG-15, Ep-IV-117,
 KG-05
 최원식 IG-11
 최원준 IG-11
 최원철 EG-09
 최원호 HG-05, Hp-III-061,
 Hp-III-062,
 Hp-III-080,
 Hp-III-081,
 Hp-III-082,
 Hp-III-089
 최원호 HG-07
 최원호 Hp-III-090
 최유민 Kp-I-025
 최윤영 Kp-III-095
 최윤정 Ep-I-026, Ep-I-031,
 Ep-I-037, Ep-I-041,
 Ep-I-045
 최윤호 Kp-I-027
 최은상 PA-12
 최은서 Ip-IV-071, Ip-IV-072
 최은영 EG-39
 최은영 EG-40
 최은진 Dp-I-002, Dp-I-013,
 Dp-I-016, Dp-I-018,
 Dp-I-024, Dp-I-036
 최은하 Hp-II-017
 최은혜 Kp-III-083,
 Kp-III-124
 최은혜 Kp-III-101
 최을임 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,

Bp-III-024
 최을임 BG-09
 최을임 Bp-III-014, Bp-III-016
 최을임 Bp-III-017
 최일우 HG-08(초), Hp-II-037,
 IG-01(초), Ip-I-002
 최일우 Hp-II-021
 최일우 IG-03, IG-06,
 Ip-I-008, Ip-I-009
 최장희 Kp-I-007
 최재우 DG-62
 최재윤 Bp-III-007
 최정규 Kp-III-097
 최정용 Dp-III-120
 최정훈 BG-03
 최정훈 Bp-III-009
 최종구 EF-16
 최준호 BG-07(초), BG-08,
 BG-10, BG-11,
 BG-12, Bp-III-012,
 Bp-III-024
 최준호 BG-09
 최준호 Bp-III-014, Bp-III-016
 최준호 Bp-III-017
 최지현 Fp-III-001
 최진식 Dp-III-123
 최진영 Ep-IV-098
 최진우 Ep-I-007
 최진철 Ep-I-001, Kp-I-063
 최진철 Kp-I-042,
 Kp-I-045
 최진철 Kp-I-047, Kp-I-059
 최진호 Dp-I-034
 최진호 EG-17
 최창식 Dp-IV-169
 최택집 Ep-I-020, Ep-I-035,
 Ep-IV-122
 최판주 Kp-I-025
 최한우 Cp-II-026
 최현우 Dp-III-143

최현우 Dp-IV-166
 최혜영 Dp-IV-182
 최혜영 Dp-IV-217
 최홍구 Ip-IV-057
 최홍구 KG-10, KG-14,
 KG-15
 최홍구 KG-13
 최홍규 Kp-III-088
 최홍철 Dp-I-040
 최환영 DG-40
 최환영 Dp-I-005
 최환영 Dp-I-011
 최환영 Dp-I-019, Dp-I-025,
 Dp-I-028, Dp-I-031
 최환영 Dp-I-039
 최효석 Kp-I-009
 최효석 Kp-I-018
 최효진 Hp-II-032, Hp-II-039
 최훈국 Ip-I-004
 추동철 Ep-IV-112
 추동철 Ep-IV-124
 추동철 Ep-IV-148
 추동철 Ep-IV-163
 추문식 Bp-III-021, Kp-I-044
 추민우 Ep-I-019

파

편한별 Hp-III-065
 표효진 Ip-I-026

하

하동한 Ep-IV-159
 하명규 Ep-IV-082, Ep-IV-084,
 Ep-IV-086, Ep-IV-087
 하민우 KG-10, KG-14,
 KG-15
 하민우 KG-13
 하성용 Bp-III-021, Kp-I-044

하 양 lp-I-001
 하우성 lp-I-034
 하우성 lp-IV-057
 하유진 EG-12
 하은자 CG-02
 하재두 Kp-I-028
 하재두 Kp-I-029
 하지만 Cp-II-009
 하지만 Cp-II-011
 하태균 Hp-II-023
 한가람 Dp-I-005
 한가람 Dp-I-011
 한가람 Dp-I-019, Dp-I-025,
 Dp-I-028, Dp-I-031
 한가람 Dp-I-039
 한규완 Ep-IV-116
 한대엽 Kp-I-047, Kp-I-059
 한대엽 Kp-I-063
 한동우 Kp-III-068, Kp-III-073
 한동헌 Kp-III-096
 한마음 lp-IV-040
 한문섭 Kp-III-068, Kp-III-073
 한백석 Gp-III-004
 한상욱 DG-67
 한상욱 Dp-II-102
 한서희 Kp-I-018
 한석규 Ep-I-016
 한석규 Kp-I-001,
 Kp-I-006,
 Kp-I-037
 한성홍 lp-I-035
 한승기 Fp-III-015
 한승범 Ep-I-013
 한승우 Dp-III-132
 한승현 Ep-I-006
 한승호 Dp-I-022
 한영근 lp-I-036, lp-I-037,
 lp-I-038
 한예슬 lp-IV-052
 한원석 Kp-I-007

한원일 Kp-I-042,
 Kp-I-045
 한인식 BG-03
 한인식 Cp-II-013
 한임식 Kp-I-023,
 Kp-I-029
 한재광 lp-I-003
 한재광 lp-IV-065
 한정훈 DF-21
 한진규 Dp-III-151, Dp-III-154,
 Dp-III-160
 한철구 KG-10, KG-14,
 KG-15
 한철구 KG-13
 한흥남 DG-14
 함병승 JG-07(초)
 함효식 lp-IV-064
 허남정 Dp-I-019
 허미나 Ep-IV-165
 허민영 Hp-III-079
 허양욱 KG-29
 허양욱 Kp-III-066
 허정은 A7-03(초)
 허진 BG-37
 현영훈 EG-09
 현창호 CG-17
 홍경수 Ep-IV-082, Ep-IV-084,
 Ep-IV-086, Ep-IV-087
 홍기민 Ep-I-018,
 Ep-IV-165
 홍기민 Ep-IV-101
 홍덕기 CF-04(초)
 홍동혁 Gp-III-005
 홍문표 EG-01
 홍병식 CF-09, Cp-II-013
 홍병식 CG-05, Hp-II-048
 홍병식 CG-07
 홍병식 Cp-II-008
 홍사환 Dp-III-126
 홍사환 Ep-I-039

홍석륜 A1-02
 홍석륜 Dp-III-161
 홍성주 Dp-IV-173
 홍순구 Ep-I-016
 홍순구 Kp-I-001
 홍순구 Kp-I-006
 홍순구 Kp-I-037
 홍순철 DG-67
 홍순철 Dp-II-067
 홍순철 Dp-II-102
 홍승우 A2-03(초)
 홍승우 DF-22
 홍승희 Kp-III-067
 홍영빈 KG-18
 홍 완 Cp-II-027
 홍용철 Hp-II-043, Hp-II-044
 홍웅기 EG-13
 홍원기 Dp-IV-173
 홍정택 IG-09
 홍종일 EG-35
 홍종일 EG-36
 홍주환 Hp-III-061
 홍지상 DG-64
 홍진석 Hp-II-019
 홍춘지 Ip-IV-075
 홍태윤 EG-39
 홍태은 Dp-III-156, EG-32
 홍태은 Ep-IV-082, Ep-IV-084,
 Ep-IV-087
 황기웅 HG-02
 황대원 KG-14, KG-15
 황도근 EF-16
 황명진 BG-03
 황상윤 Dp-II-084,
 Ep-I-022
 황상훈 CF-11
 황상훈 CG-14
 황성돈 Ip-I-035
 황성인 IG-16
 황수민 Kp-III-105

황순용 Kp-III-105
 황영훈 Kp-I-050
 황영훈 Kp-III-080, Kp-III-106
 황용석 Bp-III-009
 황용석 Cp-II-033
 황원택 Hp-II-016
 황윤희 EG-12, IG-20
 황인록 Dp-III-126
 황인록 Dp-III-146
 황인록 Ep-I-039
 황일문 Hp-II-023, Hp-II-024
 황재성 DG-46
 황정식 Dp-III-150
 황정식 Dp-III-156
 황정연 Hp-II-032
 황정은 DG-66
 황지광 Hp-II-047
 황지훈 DG-67
 황지훈 Dp-II-095, Dp-II-102
 황찬용 Dp-II-097, Dp-III-120
 황철성 EG-27
 황태상 Ip-I-013
 황태종 Dp-I-048
 황학인 Dp-I-022
 황학인 Dp-I-042
 황현상 EG-04
 황보창권 Ip-IV-075, Ip-IV-076,
 Ip-IV-077, Ip-IV-078,
 Ip-IV-079

A-Z

AEYOUNG Heo Hp-II-046
 AHMAD Dawood Dp-I-057
 AHME Helene Franziska
 Ep-II-063,
 Ep-II-064
 AHN Byung Jun Kp-I-061
 AHN J -W. Hp-III-070
 AHN Jai Seok DG-39

| | |
|--------------------|--|
| AHN Jai Seok | Dp-III-144 |
| AHN JUNG KEUN | Hp-II-049 |
| AHN Jung Kuen | CF-08 |
| AHN Kang-Hun | DG-31 |
| AHN Kang-Hun | DG-56 |
| AHN Ki-Beom | LG-13 |
| AHN San | Ep-I-044 |
| AHN Sang-Ho | DG-49 |
| AHN Sang-Un | Bp-III-023 |
| AHN Seung-Eon | DG-41 |
| AHN Ye-Hwan | DF-02 |
| AKIYAMA Hidefumi | Ep-I-036, Kp-I-021 |
| ALI Zahid | DG-60, EG-02, Ep-I-015, Ep-IV-132 |
| AMAN -ur-Rehman | Hp-III-074 |
| AN Jongdeok | Ep-II-062, Ep-II-063, Ep-II-071 |
| AN Jongseok | Ep-II-064 |
| AN Ki-Seok | Ep-IV-111 |
| AN Kyongmo | Dp-II-082 |
| AN kyungwon | lp-IV-056 |
| AN Kyungwon | JG-02 |
| AN Kyungwon | Jp-II-006, Jp-II-008 |
| AN Sangmin | EG-08 |
| AN Taeki | Ep-II-075 |
| ANDO Shung-Ichi | CG-17 |
| ANDO Shung-Ichi | CG-20 |
| ANDRIAMONJE Samuel | Cp-II-031 |
| ATABAEV Timur | IG-20 |
| BADSHA ALAMGIR | lp-IV-076 |
| BAE Dong Hyun | lp-IV-068 |
| BAE Jieun | DG-41 |

| | |
|-------------------------|-------------------------|
| BAE Jieun | EG-05 |
| BAE Jong Seong | Dp-III-140 |
| BAE Jong-Seong | Dp-III-124 |
| BAE MyeongWook | Kp-I-056 |
| BAE Sukang | Ep-IV-108 |
| BAE Yun Ceol | Kp-III-113 |
| BAEK Hongwoo | KG-03 |
| BAEK Seung Jae | EG-34 |
| BAEK Seungjae | Ep-IV-142 |
| BAEK Su Jin | Ep-II-065 |
| BAEK Yongjoo | FF-06 |
| BAEK Yong-Wook | Bp-III-023 |
| BAI Xiaojian | BG-52 |
| BAIK Jae Yoon | Kp-III-103 |
| BAIK Jae Yoon | Kp-III-118 |
| BAIK Kwang Hyeon | Kp-I-020 |
| BAK J_G | Hp-II-011, Hp-II-014 |
| BAK Ji-Hyun | DG-13 |
| BAK Sang-In | CG-15, Cp-II-018 |
| BAK Sang-In | Cp-II-031 |
| BANDI Vengala Rao | lp-IV-068 |
| BANDYOPADHYAY Priyotosh | BG-15 |
| BANG JEHEON | Cp-II-007 |
| BANSAL Namrata | KG-01(초) |
| BEOM JUN Kim | Fp-III-017 |
| BHANG H. | BG-02 |
| BHANG H.C | BG-05 |
| BHANG Hyoung C. | CF-05(초) |
| BIALEK Beata | Dp-III-137 |
| BINGZHI Jiang | Ep-IV-139 |
| BINH Dam,G | CG-04 |
| BISWAS ABHIJIT | Dp-III-117 |
| BOCKLAGE Lars | TS-04(초) |
| BODE Matthias | DG-42 |
| BOONIN K. | Cp-II-006 |

BOSTWICK Aaron Dp-I-061
 BOURIM El Mostafa EG-04
 BRAHLEK Mathew KG-01(초)
 BRANDT Søren LG-11
 BRASSELET Sophie Ip-IV-070
 BRIJESH Kumar Kp-I-064
 BRUNGER M. J. Jp-II-011
 BUCKMAN S.J. Jp-II-011
 BULANOV Sergei V. PD-01(초)
 BYEON Clare Chisu KG-02(초)
 BYEON hye-hyeon Dp-II-068
 BYEON hye-hyeon KG-19
 BYUN I. S. EG-05
 BYUNG CHUN Choi Kp-I-060
 C. M. Raghavan Dp-I-002,
 Dp-I-013,
 Dp-I-016,
 Dp-I-018,
 Dp-I-024,
 Dp-I-036
 C.-I. Park Ep-IV-139
 CAMPBELL Eleanor E. B. EG-34
 CAO Chunyan Ep-IV-147
 CARMINATI Federico Cp-II-018
 CASTRO-TIRADO Alberto J. PC-11(초)
 CHA Jin-Myung EF-17
 CHA Wonsuk DG-69
 CHA Wonsuk Ep-I-011
 CHA Yong-Ho PD-04(초)
 CHAE Kisung Dp-III-114

CHAE Moonsik HG-11
 CHAE Moonsik Hp-II-018
 CHAE-RYONG Cho Ep-II-073,
 Ep-IV-137
 CHAE-RYONG Cho Ep-IV-141
 CHAI Y. S. DG-06
 CHAI Yi Sheng DG-54
 CHAI Yi Sheng Dp-I-035,
 Dp-I-045
 CHANG Y.J. Dp-I-061
 CHANG C.S. Fp-III-030
 CHANG Hun Dp-I-035,
 Dp-I-045
 CHANG Hyunju Dp-III-118
 CHANG HYUNJU KF-01(초)
 CHANG J Ep-IV-094
 CHANG Kee Joo DG-12,
 DG-15,
 DT-01
 CHANG S. BG-20
 CHANG Seo Hyung DG-38
 CHANG Sung-Jin Ep-IV-155
 CHAY Junegone BG-16
 CHEBOTARYOV Sergey Cp-II-024,
 Cp-II-025
 CHEN C.Q. Kp-I-053
 CHEN Shaoqiang Ep-I-036,
 Kp-I-021
 CHEN Xiang Bai DG-34
 CHEN Xiang-Bai Dp-II-077
 CHEN Xumin DG-42
 CHEN Yeqing Ep-II-056
 CHEN Zhi Gang Kp-I-040
 CHEN Zhigang Kp-I-046
 CHENG Horchhong Ep-I-024

CHEON B. G. Bp-III-018
 CHEON jongkyu Ep-I-004
 CHEON Sangmo BG-39
 CHEONG Byung-ki
 DG-27
 CHEONG Sang-Wook
 DG-52
 CHEONG Sang-wook
 Ep-I-035
 CHEONG Sang-Wook
 KG-01(초)
 CHEONG-GU Cho Dp-II-066
 CHO B. K. PA-06
 CHO Beong Ki DG-55
 CHO Bo Ram Dp-I-054
 CHO Bong Rae Ip-IV-070
 CHO BORAM Dp-I-059
 CHO Byung-Wook
 Dp-IV-214
 CHO En-Jin DG-55
 CHO Eunae Cho DG-27
 CHO H. J. Dp-I-015
 CHO H.Y CG-04
 CHO Hyong Jun Dp-I-009
 CHO hyong Jun Dp-I-026
 CHO hyong Jun Dp-I-041
 CHO HyunJin Dp-II-101
 CHO In Hwa IG-02(초)
 CHO J. H. Dp-I-015
 CHO Jong Ho Dp-I-009
 CHO Jong Ho Dp-I-014
 CHO Jong Ho Dp-I-026
 CHO Jong Ho Dp-I-041
 CHO Jun-Hyung DG-65
 CHO Jun-Hyung Dp-III-125
 CHO K. H. Bp-III-018
 CHO KiHyeon Bp-III-015
 CHO MOO-HYUN Cp-II-007
 CHO Myung Lae DF-03
 CHO Myung Rae DG-23*

CHO Myung Rae Dp-IV-181
 CHO S.-G. Hp-III-073
 CHO Sang Hyun Hp-III-085
 CHO Soohaeng Ep-IV-115
 CHO Sungwan DG-23*
 CHO Sungwoo Dp-III-130
 CHO Sungwoo Dp-III-223
 CHO Won-Ju Kp-III-100,
 Kp-III-115
 CHO Yong Sub Hp-II-025
 CHO Yong-Hoon Ep-II-077
 CHO Yong-Hoon Ep-IV-162
 CHO Yong-Hoon Kp-I-035
 CHO Yong-Sub Hp-II-028
 CHO Yong-Sub Hp-II-030,
 Hp-II-031
 CHO yong-Sub Hp-II-038
 CHO Young Sul FG-11
 CHO Y-S Cp-II-016
 CHOE Sug-Bong Dp-II-071
 CHOE Sug-Bong Dp-II-112
 CHOE Sug-Bong Dp-IV-170
 CHOE Wonho HG-06(초)
 CHOI Byung Chun
 Dp-III-140,
 Ep-II-055,
 Ep-II-056,
 Ep-II-059,
 Ep-IV-126,
 Ep-IV-138,
 Ep-IV-147
 CHOI Byung-Chun
 Dp-III-163
 CHOI Byung-Ho A2-02(초)
 CHOI Chul-Hee Ep-II-079
 CHOI Chulho FF-05
 CHOI Chul-Jin DG-02
 CHOI Duk Yong Kp-I-040
 CHOI Dukhyun Kp-I-064
 CHOI E. J. Ip-IV-073

| | |
|------------------|---|
| CHOI E. J. | lp-IV-074 |
| CHOI Eun Ha | HG-03 |
| CHOI Eunjip | Ep-IV-108 |
| CHOI Eunmi | Ep-II-052, Hp-II-040 |
| CHOI H. I. | Dp-I-015 |
| CHOI H.Y | Cp-II-003 |
| CHOI Hae In | Dp-I-009 |
| CHOI Hae In | Dp-I-026 |
| CHOI Hae In | Dp-I-041 |
| CHOI Hak-Soon | Kp-III-123 |
| CHOI Han-Yong | Dp-I-052 |
| CHOI Han-Yong | PA-01 |
| CHOI Heonhwa | Ep-II-054 |
| CHOI Hong Chul | Dp-II-080 |
| CHOI Hyejin | Ep-IV-102 |
| CHOI Hyoung Joon | DF-19, DG-58, Dp-I-047, Dp-I-058, Dp-IV-176, Dp-IV-178, Dp-IV-197 |
| CHOI Hyoung Joon | Dp-IV-183 |
| CHOI Hyoung Joon | Dp-IV-190 |
| CHOI I. S. | Ep-IV-127 |
| CHOI I. W. | PD-03(초) |
| CHOI J. H. | BG-02 |
| CHOI J. S. | EG-05 |
| CHOI J.H | BG-05 |
| CHOI Jaehak | Dp-IV-212 |
| CHOI Jaehyuk | Ep-II-054 |
| CHOI Jae-Hyun | DF-30 |
| CHOI Jae-yoon | Jp-II-012 |
| CHOI Jai-Miin | Jp-II-003 |
| CHOI Jeehye | Fp-III-019 |
| CHOI Jin-Ho | Dp-III-125 |

| | |
|-----------------|---------------------------|
| CHOI Jinsik | DG-41 |
| CHOI Ju Sung | Ep-IV-154 |
| CHOI Jun Hyuk | Kp-III-127 |
| CHOI Jung-Young | DG-34 |
| CHOI Jung-Young | DG-34 |
| CHOI Jusung | EG-18 |
| CHOI K.-Y. | Dp-II-087, Dp-II-096 |
| CHOI Kang Sin | BG-34 |
| CHOI Ki-Young | BG-14 |
| CHOI Kyujin | Dp-III-147, Dp-III-148 |
| CHOI Mahn-Soo | DF-02 |
| CHOI Mahn-Soo | DG-18 |
| CHOI Mahnsoo | Ep-II-054 |
| CHOI Moo Young | EF-18 |
| CHOI Moo Young | FG-13 |
| CHOI MooYoung | EF-19 |
| CHOI Nark Nyul | JG-11 |
| CHOI NarkNyul | JG-10 |
| CHOI S | CG-04 |
| CHOI S. K. | Bp-III-018 |
| CHOI S. | BG-02 |
| CHOI S. | CG-03 |
| CHOI Sang-Jun | Ep-IV-115 |
| CHOI Seonghoon | Dp-II-068 |
| CHOI seonghoon | KG-20 |
| CHOI Seonho | CG-06 |
| CHOI Soo-Kyung | Dp-IV-214 |
| CHOI Suk | CG-22 |
| CHOI Suyong | BG-23 |
| CHOI Wonil | lp-I-012 |
| CHOI Woo Seok | DG-38, Dp-I-012 |
| CHOI Woo Seok | EG-33 |
| CHOI Woosik | Fp-III-027 |
| CHOI Y. I. | Bp-III-018 |
| CHOI Y. Y. | DG-36 |
| CHOI Young Ran | KG-25 |
| CHOI Youn-Seok | TS-04(초) |

| | | | |
|-------------------|------------|--------------------|------------|
| CHOI YUNSEOK | Bp-III-025 | | Cp-II-015 |
| CHOI, O.R | Hp-II-026 | D.P Barry | Cp-II-003, |
| CHON Kwon Su | Ep-II-079 | | Cp-II-014, |
| CHOU F. C. | Dp-II-087 | | Cp-II-015 |
| CHU Jinn P. | PB-04 | DAGORET Sylvie | LG-12 |
| CHU K. | Dp-II-096 | DAI J.N. | Kp-I-053 |
| CHU Seungwan | Ep-IV-167 | DAM NUGYEN Binh | |
| CHUKALIKIN Yu. G. | | | CG-03 |
| | DF-16 | DANG Dang Duc | DG-05 |
| CHULWOO JUNG | BG-33 | DAVID Adrian | Dp-I-012 |
| CHUN Eung Jin | BG-15 | DE BOCK Maarten | Hp-III-053 |
| CHUN Sae Hwan | DG-54 | DE LIBERATO Simone | |
| CHUN Sae Hwan | Dp-I-035, | | JG-01(초) |
| | Dp-I-045 | DE Pham-Cong | Ep-II-073, |
| CHUN Sae-Hwan | Dp-I-021 | | Ep-IV-137 |
| CHUNG Hoeil | Dp-IV-212 | DE Pham-Cong | Ep-IV-141 |
| CHUNG JaeGwan | Kp-III-103 | DECOSTER Didier | Ep-IV-162 |
| CHUNG Jae-Ho | DG-54 | DENG Xiao Long | DG-41 |
| CHUNG Jae-Ho | Dp-I-021, | DHAKAL Krishna P. | |
| | Dp-I-035, | | DG-33 |
| | Dp-I-045 | DHO hoSeog | Cp-II-024 |
| CHUNG Jinil | Hp-III-053 | DHO Hoseog | Cp-II-025 |
| CHUNG Jinseok | Dp-III-130 | DHO Joonghoe | Dp-I-008 |
| CHUNG Jong Won | | DIAMOND P. H. | HF-07(초) |
| | Ep-IV-138, | DIAMOND P.H. | HF-06(초) |
| | Ep-IV-147 | DIAMOND P.H. | HF-08(초) |
| CHUNG K_S | Hp-II-014 | DITER Meschede | Jp-II-003 |
| CHUNG K.-S | Hp-II-011 | DIWARE Mangesh | Kp-III-127 |
| CHUNG K.-S. | Hp-III-073 | DO YOUNG NOH | EG-10 |
| CHUNG Kyu-Sun | Dp-IV-165 | DO D. | Dp-I-015 |
| CHUNG Sung-Yoon | | DO Dal Hyun | Dp-I-009 |
| | DF-13 | DO Dal Hyun | Dp-I-014 |
| CHUNG Yunchul | Dp-IV-180 | DO Dal Hyun | Dp-I-026 |
| COCKERILL Dave | BG-24 | DO Dal Hyun | Dp-I-041 |
| COMMICHAU V. | Lp-III-001 | DO S.H. | Dp-II-096 |
| CONNELL Paul | LG-11 | DOGHECHE Elhadj | |
| CUERNO Rodolfo | DG-21 | | Ep-IV-162 |
| CUI Xue-Mei | Fp-III-015 | DOH Yong-Joo | DF-01 |
| D. Williams | Cp-II-003, | DOH Yong-Joo | DF-02 |
| | Cp-II-014, | DOH Yong-Joo | DF-20, |

| | |
|--------------------|-------------|
| | DF-28, |
| | DF-30 |
| DUNG Anh Tuan | Dp-III-120 |
| DUPIEUX Pascal | Bp-III-023 |
| E.-S. Jeong | DG-11 |
| EDREY Eliav | KG-01(초) |
| EFETOV D. K. | Dp-III-161 |
| EISAKI H. | PA-04 |
| EISAKI Hiroshi | DG-40 |
| EISAKI HIROSHI | Dp-I-039 |
| ENDERS Axel | DG-42 |
| EOM Man Jin | Dp-I-051 |
| EOM Man Jin | Dp-III-145 |
| ERSHAIDAT Nidal | Bp-III-019 |
| EUNAE KIM | Cp-II-007 |
| EUNJIN Hwang | Fp-III-004 |
| EUN-SAN Kim | Hp-II-046 |
| EUNSEONG Kim | Dp-III-159, |
| | Dp-IV-219 |
| EVAN Kang | Dp-IV-219 |
| EVANS B. M. | DG-48 |
| EYLES Chris | LG-11 |
| F.J. Garcia-Vidal | IG-08 |
| FARHAN Muhammad A. | |
| | Dp-III-149 |
| FAWAD ullah | Ep-I-010 |
| FEZZAA Kamel | DG-30 |
| FISCHER Peter | TS-04(초) |
| FLANAGAN Will | BG-21 |
| FLEET Luke | DG-32 |
| FLEURY Eric | PB-08 |
| FLEURY1 Eric | PB-10 |
| FRANK Klaus | Hp-II-035 |
| FUKAZAWA Hiroshi | |
| | DF-10 |
| FUMIHIKO Ukegawa | |
| | Bp-III-008 |
| FUNAKUBO H. | Dp-III-153 |
| FURDYNA J.K. | Dp-II-068, |
| | KG-19 |

| | |
|------------------------|------------|
| GANG Dongmin | BG-36 |
| GANG Dongmin | BG-39 |
| GEDANKEN A. | Dp-II-089 |
| GEOL Moon | JG-05 |
| GHEZZI A. | BG-20 |
| GHIM, Cheol-Min | FG-02 |
| GHONG Tae Ho | Kp-III-127 |
| GIM Gi-Hong | Dp-II-112 |
| GLENZINSKI D. | BG-22 |
| GO Ara | Dp-I-004 |
| GO Hayoung | EG-22 |
| GOAK Jeungchoon | |
| | EG-18, |
| | Ep-IV-145 |
| GOFRYK K | Dp-I-060 |
| GOH Jung Suk | Dp-IV-197 |
| GOH Jungwhan | BG-23 |
| GOH Kwang-II | Fp-III-019 |
| GOH Segun | FG-13 |
| GOKARNA Anisha | Ep-IV-162 |
| GONG Su-Hyun | Ep-IV-162 |
| GON-HO Kim | HG-01 |
| GORODETZKY Phillippe | |
| | LG-12 |
| GOSWAMI Kumar syamanta | |
| | Kp-I-057 |
| GRANDHE Bhaskar Kumar | |
| | lp-IV-068 |
| GROSSAN Bruce | LG-10 |
| GROSSAN Bruce | LG-11 |
| GROSSAN Bruce | PC-10(초) |
| GUIO F. De | BG-20 |
| GUL rooh | Ep-I-004 |
| GUL rooh | Ep-I-010 |
| GUO B. | CG-03 |
| GUOJIE Li | Kp-I-060 |
| GURROLA Alfredo | BG-21 |
| GWAK Bogeun | BG-42 |
| GWON yoonjung | KG-19 |
| GWON yoonjung | KG-20 |

| | |
|-----------------|-------------------------|
| GYU-CHUL Yi | DG-11 |
| H. Bhang | Bp-III-009 |
| H. Park | Bp-III-009 |
| H. Zheng | Ep-II-049, Ep-II-053 |
| HA Bae-Yeun | Fp-III-010 |
| HA Bae-Yeun | Fp-III-011 |
| HA Jang Ho | Cp-II-035 |
| HA JangHo | Cp-II-036 |
| HA Jiman | Cp-II-012 |
| HA Meesoon | FF-01(초), FF-06 |
| HA Meesoon | FF-05 |
| HA Meesoon | Fp-III-021 |
| HA Seung-Yeal | FF-05 |
| HA Taewoo | Dp-III-148 |
| HAAM So Young | DG-54 |
| HADIYAWARMAN H | EG-30 |
| HADIYAWARMAN | |
| Hadiyawarman | Kp-III-079 |
| HAfZ Nasr A. M. | HG-13 |
| HAHM Taik-Soo | HF-07(초) |
| HAHN I.S | BG-05 |
| HAHN K. I. | CG-03 |
| HAKSEONG KIM | EG-19 |
| HAMH Sunyoung | Ip-I-011 |
| HAN Dong-Soo | TS-04(초) |
| HAN Dongwoo | Kp-I-056 |
| HAN Hyunsun | HF-03(초) |
| HAN J H | Dp-I-060 |
| HAN Jinhee | DF-19, Dp-IV-176 |
| HAN Jung | KG-06(초) |
| HAN Kyungreem | EF-18 |
| HAN Kyungreem | EF-19 |
| HAN M. H. | CG-03 |
| HAN Moon-sup | Kp-I-056 |
| HAN S.-W. | Ep-IV-146 |
| HAN Seok Kyu | Kp-I-061 |

| | |
|----------------------|--|
| HAN Seungwu | DG-27 |
| HAN Seungwu | Dp-IV-201 |
| HAN Song-Hee | KG-02(초) |
| HAN WonSuk | Ip-IV-063 |
| HAN Y. H | DG-71 |
| HAN yosep | Dp-III-121 |
| HAN YOUNG-GEUN | |
| | Ip-I-039 |
| HAN Youngkyu | Dp-IV-211 |
| HANATANI Kiyoshi | |
| | Hp-III-052 |
| HANDS Simon | BG-32 |
| HANJO LIM | Kp-III-098 |
| HARA Masahiko | Fp-III-029 |
| HASHIMOTO T | CG-04 |
| HASHIMOTO T. | CG-03 |
| HAYAKAWA S | CG-04 |
| HAYAKAWA S. | CG-03 |
| HAYANO Hitoshi | HG-12 |
| HAYANO HITOSHI | Hp-II-049 |
| HEE JAE KANG | Ep-IV-099 |
| HEEDO Na | Kp-III-125 |
| HEO AEYOUNG | Hp-II-049 |
| HEO Kwang | Dp-IV-181 |
| HEO Seong-Gu | Bp-III-005 |
| HEO Seungjin | Ep-II-077 |
| HERMANN P. | Lp-III-001 |
| HERNDON M. | BG-22 |
| HICKS K | CF-11 |
| HIEN Nguyen Thi Minh | |
| | Dp-II-077 |
| HIGUCHI Takeo | BG-25 |
| HILL James | BG-07(초), BG-08, Bp-III-017, Bp-III-024 |
| HILL James | BG-09 |
| HILL James | BG-11 |
| HIROHATA Atsufumi | |
| | DG-32 |
| HO Jonathan | Ep-II-061 |
| HO Kai-Ming | DG-63 |

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| HOEPFNER K. | BG-20 |
| HOFFMANN Axel | TS-03(초) |
| HOHNG Sungchul | EF-09(초) |
| HONG CHOL CHAE | Ep-IV-099 |
| HONG S.C. | Dp-I-061 |
| HONG Byung Hee | Ep-IV-108 |
| HONG Deog Ki | BG-14 |
| HONG Duk-Geun | Cp-II-001 |
| HONG Duk-Geun | Cp-II-019 |
| HONG eun jung | Hp-III-084 |
| HONG Hyun-gue | Ip-IV-056 |
| HONG Hyun-Gue | JG-02 |
| HONG Hyunsuk | FF-03 |
| HONG In-Seok | Hp-II-038 |
| HONG J B | Dp-I-060 |
| HONG Jin-Seok | Hp-II-031 |
| HONG Jisang | DG-03 |
| HONG Jisang | DT-02 |
| HONG Jisang(홍지상) | DG-04 |
| HONG Jong Beom | PA-13 |
| HONG Jong-Am | Dp-III-131 |
| HONG Juho | HG-11 |
| HONG JUHO | Hp-II-008 |
| HONG Juho | Hp-II-018 |
| HONG Junki | Dp-II-073 |
| HONG Kwangjoon | Kp-III-091, Kp-III-093, Kp-III-107, Kp-III-109, Kp-III-114, Kp-III-121 |
| HONG S. H. | EG-05 |
| HONG S.-H. | Hp-III-073 |
| HONG Sahwan | DG-41 |
| HONG Sang Hee | HF-03(초) |
| HONG Seok-Cheol | EF-08(초) |
| HONG Seung Hwan | Dp-I-052 |

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|-----------------|---------------------------|
| HONG Seunghun | Dp-IV-181 |
| HONG Seung-Woo | CF-01(초) |
| HONG Seung-Woo | CG-15, Cp-II-018 |
| HONG Seung-Woo | CG-20 |
| HONG Seung-Woo | Cp-II-031 |
| HONG Soon Cheol | Dp-II-062 |
| HONG Soon Cheol | Dp-II-083 |
| HONG soon cheol | Dp-II-088 |
| HONG Soon-Ku | Kp-I-061 |
| HONG Suk-Ho | Dp-IV-165 |
| HONG Sung Ju | Ep-IV-167 |
| HONG Tae Eun | Dp-III-124 |
| HONG Taeyoon | Dp-III-147, Dp-III-148 |
| HONG Yang-Ki | DG-02 |
| HONG Yong Cheol | Hp-II-042 |
| HONG YONG CHEOL | Hp-III-086 |
| HONG yong cheol | Hp-III-087 |
| HONG Yongcheol | Hp-III-091 |
| HONG Young June | HG-03 |
| HONOLKA Jan | DG-42 |
| HOON, H | Hp-II-026 |
| HOPKINS W. | BG-22 |
| HORIBE Yoichi | KG-01(초) |
| HOSHINO M | Jp-II-011 |
| HOWARD John | Hp-III-053 |
| HUANG YANLIN | Ep-IV-085 |
| HUANG Yu-tin | BG-36 |
| HUH CHANGGI | Bp-III-025 |
| HUH Young-Duk | Dp-I-007 |
| HUH Yun Suk | Ep-IV-155 |
| HUR Kyeyeon | Fp-III-005 |
| HUR Min Sup | HG-13 |
| HUR Min Sup | PD-02(초) |
| HWANG , C. | Ep-IV-158 |
| HWANG Beomyong | Dp-IV-200 |

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|-----------------|---------------------------|------------------|---|
| HWANG Beomyong | KG-03 | IBERLER Marcus | Hp-II-035 |
| HWANG Dong-Uk | Fp-III-003, Fp-III-008 | IEZHOV Pavlo | Ip-I-005 |
| HWANG I. R. | EG-05 | IGNATIEV Alex | EG-04 |
| HWANG Il moon | Hp-II-013 | IHM Jisoon | DG-63 |
| HWANG Ilmoon | Hp-II-005 | IIZUKA Takuya | PA-13 |
| HWANG Inrok | DG-41 | IM Chan | Ep-II-062, Ep-II-063, Ep-II-064, Ep-II-071 |
| HWANG In-Wook | KG-02(초) | IM Mi-Young | TS-04(초) |
| HWANG J. W. | Dp-II-087 | IM Myungshin | PC-09(초) |
| HWANG Ji-Gwang | Hp-II-050 | IM Seongil | Dp-III-148 |
| HWANG Jihwan | Dp-III-130, Dp-III-223 | IN Juneho | Ep-IV-135 |
| HWANG Jinyoung | Dp-IV-212 | INAMDAR A. I. | Kp-III-084, Kp-III-085, Kp-III-090 |
| HWANG Jongwon | CG-12 | INOUE Akihisa | PB-05 |
| HWANG Jung Yun | A2-01(초) | ISHIDA S. | PA-04 |
| HWANG M.J | BG-05 | ISHIKADO M. | PA-04 |
| HWANG Myounggyu | Jp-II-006, Jp-II-008 | ISMAIL Agustina | Dp-II-086 |
| HWANG Nongmoon | DG-63 | ISOSHIMA Takashi | Fp-III-029 |
| HWANG Soo Min | Kp-III-127 | ITO Eisuke | DG-32 |
| HWANG Sung-Min | Kp-I-020 | ITO T. | PA-04 |
| HWANG Y. S. | BG-02 | ITOH Ryosuke | BG-25 |
| HWANG Y.S. | Hp-II-009 | IWABUCHI Masaya | BG-26 |
| HYANGKYU Park | Hp-II-046 | IWABUCHI Masaya | BG-27 |
| HYEJUNG CHANG | PB-03 | IWASA N | CG-04 |
| HYON CHOL KANG | EG-10 | IYO A. | PA-04 |
| HYUN Chang Ho | CG-20 | J. K. Furdyna | KG-20 |
| HYUN H. J. | Bp-III-018 | J. Li | Bp-III-009 |
| HYUN Jung-Min | DG-70 | J. M. Kim | Ep-IV-092 |
| HYUNCHUL Sohn | Kp-III-125 | J. M. Lee | Bp-III-009 |
| HYUNG-JIN KIM | BG-33 | J. W. Park | Ep-II-049, Ep-II-051 |
| HYUNGSUK Kim | Hp-II-046 | J. Y. Rhee | Ep-II-049, Ep-II-051, Ep-II-053, Ep-IV-092 |
| HYUN-UK Lee | Ep-II-073 | J. Bravo-Abad | IG-08 |
| | | JACOBY Joachim | Hp-II-035 |

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|---------------------|-------------------------|
| JAEHO Shin | Dp-III-159 |
| JAE-MYUNG Choe | HG-01 |
| JAGADISH chennupati | Kp-I-040 |
| JAGADISH Chennupati | Kp-I-046 |
| JAGADISH Chennupati | Kp-I-055 |
| JAMES Hill | BG-10, Bp-III-014 |
| JANG Ana | Dp-II-100 |
| JANG Do G. | Hp-II-036 |
| JANG Do-Geun | Hp-II-027 |
| JANG DOGEUN | Hp-II-041 |
| JANG Dong-Gyu | Hp-II-027 |
| JANG Dong-Gyu | Hp-II-036 |
| JANG Dongjin | Dp-I-060, Dp-IV-222 |
| JANG Doo-Hoon | Dp-I-049 |
| JANG Hoyoung | DG-52 |
| JANG Ji-Ho | Hp-II-031 |
| JANG Jin | Ep-II-065 |
| JANG Jin | Ep-II-072 |
| JANG Kiwan | Ep-I-003 |
| JANG Kiwan | Ep-II-059 |
| JANG Kiwan | Ip-IV-068 |
| JANG S. -Y. | Dp-II-077 |
| JANG Seunghun | Kp-I-056 |
| JANG WOORYOUNG | Bp-III-025 |
| JANG Yong-Chull | BG-30 |
| JANG Yoo Ran | PA-13 |
| JANG Young Rae | Dp-III-115 |
| JANG-HEE Yoon | Ep-IV-137, Ep-IV-141 |
| JANGHO KIM | BG-33 |
| JANULEWICZ K. A. | Ip-I-009 |
| JANULEWICZ Karol | IG-05, Ip-I-006 |
| JE Jung Ho | DG-29 |

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|------------------------|--|
| JE Jung Ho | DG-30 |
| JE Koochul | IG-15 |
| JE Soong-Geun | Dp-II-071 |
| JEE HYUN Choi | Fp-III-004 |
| JEM-EUSO Collaboration | BG-06 |
| JEO Hang-Eun | IG-12 |
| JEON Bo-Geon | Dp-III-116, Ep-IV-123, Ep-IV-136, Ep-IV-140 |
| JEON Byeong Jo | DG-54 |
| JEON Byeongcheon | Ep-I-002 |
| JEON Byung-Gu | DG-54 |
| JEON Chanil | Fp-III-010 |
| JEON Chanil | Fp-III-011 |
| JEON Cheolho | Ep-IV-111 |
| JEON Cheolho | Ep-IV-114 |
| JEON EunJu | Bp-III-015 |
| JEON Eun-Kyoung | DF-20 |
| JEON Gun Sang | Dp-I-001, Dp-I-004 |
| JEON Kun-Rok | Dp-II-081 |
| JEON Miseon | Ep-II-064 |
| JEON Pyung Eun | EG-29 |
| JEON Pyungeun | Ep-IV-102 |
| JEON Sang Ho | DG-27 |
| JEON Sang June | Cp-II-032 |
| JEON Sang June | Ep-I-042 |
| JEON Sangjun | Dp-IV-193 |
| JEON Sangjun | PA-14 |
| JEON Wonju | FG-03 |
| JEON Yoonnam | Dp-IV-213 |
| JEON Young-Mu | Hp-III-070 |
| JEONG D. W. | DG-36 |
| JEONG Da Woon | DG-38 |
| JEONG Da Woon | EG-33 |
| JEONG DaWoon | Dp-I-012 |

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|-----------------|--|-----------------|-----------------------|
| JEONG Dongchan | DF-28, DF-30 | JEONG Kwangho | EG-29 |
| JEONG Dongchan | DG-59 | JEONG Kwangho | Ep-IV-102 |
| JEONG Dongchan | Dp-IV-210 | JEONG Mi-Yun | Ip-IV-070 |
| JEONG Euh Duck | Dp-III-124 | JEONG Mun Seok | KG-25 |
| JEONG Hae Kyung | | JEONG Seung Ho | Hp-III-057 |
| | Dp-IV-195 | JEONG Soomin | LG-10 |
| JEONG Hawoong | FF-06 | JEONG Soomin | LG-13 |
| JEONG Hawoong | Fp-III-010 | JEONG Sukmin | Dp-III-129 |
| JEONG Hawoong | Fp-III-011 | JEONG T. M. | PD-03(초) |
| JEONG Hoonill | IG-07(초) | JEONG Tae Moon | IF-02(초) |
| JEONG Hyun | KG-25 | JEONG Y.-H. | Dp-II-080 |
| JEONG Il-Kyo | Kp-III-123 | JEONG YOON HEE | |
| JEONG Il-Kyoung | DG-39 | | Dp-III-117 |
| JEONG Inkyung | Ep-II-072 | JEONG YOONHEE | Dp-I-003 |
| JEONG Jaekyu | Kp-III-077 | JEONG YOONHEE | Dp-I-037 |
| JEONG Jae-Seung | | JEONG Yoon-Hee | Dp-II-106 |
| | DF-04 | JEONG Young Uk | PD-04(초) |
| JEONG Jae-Woo | Dp-III-116 | JHANG Hogun | HF-07(초) |
| JEONG Jae-woo | Ep-IV-140 | JHE Wonho | EG-08 |
| JEONG Jea-woo | Ep-IV-123 | JHI Seung-Hoon | DF-18 |
| JEONG Jinhwan | Dp-I-038 | JHI Seung-Hoon | DG-26 |
| JEONG Jinwon | Dp-I-038 | JHO Young Dahl | IG-07(초), Ip-I-032 |
| JEONG Jong-Ryul | Dp-III-116, Ep-IV-123, Ep-IV-136 | Jl Hyo Seok | PA-11 |
| JEONG Jung Hyun | | JIANG hua | Ep-I-010 |
| | Dp-III-140, Ep-II-055, Ep-II-056, Ep-II-059, Ep-IV-126, Ep-IV-138, Ep-IV-147, Ep-IV-161 | JIANG Hwa | BG-02 |
| JEONG Jung Hyun | | JIANG Zhang | DG-69 |
| | Ep-I-003 | JIGWANG Hwang | Hp-II-046 |
| JEONG Jung-Hyun | | Jl-HYOUN Kim | JG-05 |
| | Ip-IV-067, Ip-IV-068 | JIN Hyo-Sun | Dp-II-108 |
| | | JIN Jong Sung | Dp-III-124 |
| | | JIN Zhenlan | Ep-IV-146 |
| | | JING hua | Ep-I-004 |
| | | JINKYOUNG Yoo | DG-11 |
| | | JINKYUNG LEE | EG-19 |
| | | JO Euna | Dp-II-082 |
| | | JO Hanggochnuri | Kp-I-052 |
| | | JO Hyein | Ep-I-008 |
| | | JO Sanghyun | DG-59 |
| | | JO Y.H. | Dp-III-145 |

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| JO Youn Jung | Dp-III-145 |
| JO Young-Hun | Dp-II-081 |
| JO Younjung | Dp-I-051 |
| JONCKHEERE Thibaut | DG-18 |
| JONGGI Kim | Kp-III-125 |
| JONG-PIL Kim | Ep-IV-137, Ep-IV-141 |
| JOO YULL Rhee | Ep-IV-096 |
| JOO Changwoo | Cp-II-034 |
| JOO J. J. | Hp-III-072 |
| JOO Jinho | Kp-III-127 |
| JOO Jinsoo | DG-33 |
| JOO Junghoon | PD-06(초) |
| JOO Koan Sik | Cp-II-032 |
| JOO Koan Sik | Ep-I-042 |
| JOO KyungKwang | Bp-III-015 |
| JOO S.-K. | Hp-III-073 |
| JU YOUNG Kim | Ep-IV-096 |
| JU S | Dp-I-060 |
| JUHN June-Woo | Hp-III-054 |
| JUN NA-RAM | Ip-I-039 |
| JUNG HYUN Jeong | Kp-I-060 |
| JUNG Aera | LG-11 |
| JUNG Chang Uk | Kp-III-079 |
| JUNG ChangUk | EG-30 |
| JUNG Chulwoo | BG-30 |
| JUNG Eiwhan | KG-23 |
| JUNG H.S | CG-04 |
| JUNG Hyunok | Dp-II-073 |
| JUNG Hyunsung | TS-04(초) |
| JUNG Jea-woo | Ep-IV-136 |
| JUNG Jong Hyun | EF-17 |
| JUNG Jongwan | Ep-I-029, Ep-I-032, Ep-I-033 |
| JUNG MINHWA | Dp-I-003 |
| JUNG Seok-Hyun | Ip-IV-050 |
| JUNG Seonghoon | Kp-III-118 |

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| JUNG Woo-Sung | FG-13 |
| JUNG Yong Woo | Kp-III-127 |
| JUNG Yoonseob | IG-12 |
| JUNG YoungJun | Cp-II-010 |
| JUNG Youngkyun | Fp-III-010 |
| JUNG Youngkyun | Fp-III-011 |
| K. B. Lee | Bp-III-009 |
| K. BELAY | Kp-I-049 |
| K. W. Kim | Ep-II-051, Ep-IV-092 |
| K. Imai | CF-10 |
| K. Miwa | CF-10 |
| K. Tanida | Bp-III-009 |
| KADI Yacine | CG-15, Cp-II-018 |
| KADI Yacine | Cp-II-031 |
| KADO Shinichiro | Hp-III-052 |
| KAEWKHAO J. | Cp-II-006 |
| KAH Dongha | Cp-II-034 |
| KAHL D | CG-04 |
| KAHL D. M. | CG-03 |
| KAHNG Byungnam | FF-05 |
| KAHNG Byungnam | FG-11 |
| KAHNG Se-Jong | Dp-III-138 |
| KAJINO Toshitaka | CF-03(초) |
| KAJITA Takaaki | PC-01(초) |
| KAMIYAMA Takashi | DF-09 |
| KAMON T. | BG-22 |
| KAMON Teruki | BG-21 |
| KANG B. Y. | PA-06 |
| KANG Boyoun | DG-55 |
| KANG Byeongwon | DG-57 |
| KANG Chang-Jong | Dp-II-075 |
| KANG Hunseok | Fp-III-008 |
| KANG Hyon Chol | IG-02(초) |
| KANG Hyuk | EF-18, EF-19 |
| KANG Hyuk | Fp-III-003 |

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| KANG Hyun Jin | Dp-III-144 |
| KANG Ik-Joong | Dp-II-104 |
| KANG Il-Joon | DT-03 |
| KANG Joongoo | DG-13 |
| KANG Joongoo | Kp-III-119* |
| KANG Kicheon | DG-22 |
| KANG Kihyeok | Dp-II-078 |
| KANG Kisuk | DF-15 |
| KANG Mijeong | EG-07 |
| KANG Nam-Gu | KG-02(초) |
| KANG Se Jun | Kp-III-103 |
| KANG Se Jun | Kp-III-118 |
| KANG Sehun | IG-12 |
| KANG Seoung-Hun | EG-23 |
| KANG Sung-Oong | DG-41 |
| KANG Sungsam | Jp-II-006, Jp-II-008 |
| KANG T. D. | DG-36 |
| KANG TAE WON | Kp-I-054 |
| KANG TaeHui | Dp-IV-213 |
| KANG Tae-Won | KG-24 |
| KANG Tai-Hee | A2-01(초) |
| KANG W. G. | BG-02 |
| KANG W.K | BG-05 |
| KANG Y.R | Cp-II-003, Cp-II-014 |
| KANG Yeong-Rok | Cp-II-015 |
| KANG Young-ho | DG-27 |
| KAO Chung-Wen | CG-19 |
| KAO Fu-jen | Ip-IV-050 |
| KAO Fu-jen | Ip-IV-051 |
| KAPLAN Alexander | Bp-III-008 |
| KARTHIKEYAN K | Dp-IV-186 |
| KATO H | Jp-II-011 |
| KATO S | CG-04 |
| KATO S. | CG-03 |
| KATSUFUJI T. | Dp-I-021 |

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| KAWABATA T. | CG-03 |
| KAWAGOE Kiyotomo | Bp-III-008 |
| KAWAI Tomoji | Ep-II-076 |
| KAWAMURA Seiji | PC-02(초) |
| KELLERMAN D. G. | DF-16 |
| KENIK E. A. | DG-48 |
| KENNY Philip | BG-32 |
| KHAN Adil | Bp-III-008 |
| KHANDAKER M. U. | Cp-II-016 |
| KHIM T. -Y. | Dp-II-074 |
| KHYM s. | Dp-II-068 |
| KHYM S. | KG-19 |
| KI Dong-Keun | DG-59 |
| KIBA Takayuki | IG-15 |
| KIHOU K. | PA-04 |
| KIIM Jae-yong | Dp-III-121 |
| KIM, W.D. | Ep-IV-158 |
| KIM, Y.J. | Ep-IV-158 |
| KIM A. | CG-03 |
| KIM Aaram J. | Dp-I-001 |
| KIM B.-H. | Ep-IV-146 |
| KIM Beom Hyun | DG-07 |
| KIM Beom Hyun | Dp-II-080 |
| KIM Beom Jun | Fp-III-026 |
| KIM BEOM SOO | KF-01(초) |
| KIM Bong Soo | Dp-IV-195 |
| KIM Bongjae | Dp-II-080 |
| KIM Bong-Jun | DG-34 |
| KIM Bong-Jun | Ep-I-038 |
| KIM Bong-Jun | Ep-IV-103 |
| KIM Bongsoo | DG-12 |
| KIM Bongsoo | Ep-IV-135 |
| KIM Bum-Kyu | DF-02 |
| KIM Byeongnoh | Cp-II-002 |
| KIM C. Paul | PB-10 |
| KIM CHAN | EG-10 |
| KIM Chan | Ip-I-011 |
| KIM Chan | Ip-I-012 |

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| KIM Chang Zoo | Kp-I-017 |
| KIM CHANGBUM | Hp-II-008 |
| KIM Changbum | Hp-II-018 |
| KIM Changsoo | Dp-II-082 |
| KIM changsu | Ep-I-036 |
| KIM Changsu | Kp-I-021 |
| KIM Changyoung | Dp-III-145, Dp-III-149, PA-11 |
| KIM Cheolhee | Ep-II-074 |
| KIM Cheolhee | Ep-II-075 |
| KIM Choong Hyun | DG-38 |
| KIM Chul Koo | EF-11(초), EG-38, EG-42, Ep-II-050, Ep-IV-083 |
| KIM Chul Sung | DG-02 |
| KIM D. H | Dp-I-032 |
| KIM D. H. | BG-20, BG-22 |
| KIM D. J. | Dp-I-015 |
| KIM Da Jeong | Dp-I-009 |
| KIM Da Jeong | Dp-I-026 |
| KIM Da Jeong | Dp-I-041 |
| KIM Dae Il | Hp-II-025 |
| KIM Dae-II | Hp-II-030, Hp-II-031 |
| KIM Daeshik | Fp-III-003 |
| KIM Deuk Young | KG-23 |
| KIM Do Hyang | PB-01 |
| KIM Dogyun | CG-06 |
| KIM Dohyun | Cp-II-032 |
| KIM DongHee | BG-24, Bp-III-008 |
| KIM DongHee | Bp-III-015 |
| KIM Donghoon | Ip-IV-056 |
| KIM Dongsung | Hp-II-040 |
| KIM Dongwook | Kp-III-100 |
| KIM Dongyoo | DG-03 |

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| KIM Dongyoo(김동유) | DG-04 |
| KIM Do-wan | Dp-II-092 |
| KIM Do-Yoon | CG-15, Cp-II-018 |
| KIM DoYoon | Cp-II-031 |
| KIM E.J | CG-04 |
| KIM Eun Kyu | Kp-I-020 |
| KIM Eun Kyu | Kp-III-100, Kp-III-115 |
| KIM Eunho | Ep-I-029, Ep-I-032, Ep-I-033 |
| KIM Eunkyeom | Kp-III-077 |
| KIM EUN-SAN | Hp-II-049 |
| KIM Eun-San | Hp-II-050 |
| KIM G C | Dp-I-057 |
| KIM G. N. | Lp-III-001 |
| KIM G.N | Cp-II-003, Cp-II-014 |
| KIM Gil-Sung | Dp-IV-204 |
| KIM GUINYUN | Bp-III-025, Cp-II-007 |
| KIM Guinyun | CG-10 |
| KIM Guinyun | Cp-II-015 |
| KIM Guinyun | Cp-II-016 |
| KIM Gunn | EG-21 |
| KIM Gunn | EG-23 |
| KIM Gunn | EG-44 |
| KIM Gwang-Hee | Dp-IV-192 |
| KIM Gyoocheon | PD-08(초) |
| KIM Gyu Hyeong | Dp-III-129 |
| KIM H. J. | BG-02 |
| KIM H. J. | Bp-III-018 |
| KIM H. J. | Ep-I-004 |
| KIM H. J. | Ep-I-010 |
| KIM H. O. | Bp-III-018 |
| KIM H. S. | Dp-I-027 |
| KIM H. S. | Dp-II-093 |
| KIM H. T. | PD-03(초) |

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| KIM H.J | BG-05 |
| KIM H.J | Cp-II-014 |
| KIM H.J. | Cp-II-006 |
| KIM Han Seul | Dp-IV-221 |
| KIM Han Seul | Ep-IV-160 |
| KIM Han Soo | Cp-II-035 |
| KIM Han Sung | Hp-II-025 |
| KIM Hanbit | DG-54 |
| KIM Hanchul | DG-70 |
| KIM Hanchul | Dp-III-114 |
| KIM Han-Ki | Kp-I-064 |
| KIM Han-Sol | Kp-I-036 |
| KIM HanSoo | Cp-II-036 |
| KIM Han-Sung | Hp-II-028 |
| KIM Han-Sung | Hp-II-030, |
| | Hp-II-031 |
| KIM Heesang | Kp-III-120 |
| KIM Heonho | Kp-III-123 |
| KIM Ho Hyoun | Dp-II-078 |
| KIM Hogyoung | Kp-I-017 |
| KIM Hongjoo | Cp-II-028 |
| KIM Hongseok | Fp-III-013 |
| KIM Hongsu | LG-02 |
| KIM Hong-Tae | Ep-II-079 |
| KIM Howon | Dp-III-138 |
| KIM Hu Sung | Ep-IV-160 |
| KIM Hun | KG-25 |
| KIM Hyeong Do | Kp-III-103 |
| KIM Hyeong-Do | DG-55 |
| KIM Hyeong-Do | Dp-I-038 |
| KIM Hyeong-Do | Dp-III-128 |
| KIM HyeonSu | Bp-III-015 |
| KIM Hyery | DG-31 |
| KIM Hyojoong | BG-40 |
| KIM Hyung Joon | EG-33 |
| KIM Hyung-Jin | BG-31 |
| KIM Hyungjun | Dp-II-105 |
| KIM Hyungjun | Ep-IV-093 |
| KIM HYUN-JOO | lp-I-039 |
| KIM Hyun-Jung | DG-65 |

| | |
|----------------|------------|
| KIM Hyunjung | DG-69 |
| KIM Hyunjung | Ep-I-011 |
| KIM HYUNSEOK | HF-05(초) |
| KIM Hyunseok | Hp-III-070 |
| KIM Hyunseung | Kp-I-056 |
| KIM Hyun-Tak | DG-34 |
| KIM Hyun-Tak | Ep-I-038 |
| KIM Hyun-Tak | Ep-IV-103 |
| KIM I J. | PD-03(초) |
| KIM Il Jin | Hp-III-085 |
| KIM Ilyou | Dp-III-128 |
| KIM In Gyu | DF-25 |
| KIM In Sun | Ep-I-044 |
| KIM Ingyu | DG-54 |
| KIM Inhong | EG-07 |
| KIM In-mook | Fp-III-019 |
| KIM J. H. | Bp-III-018 |
| KIM J. -S. | DG-42 |
| KIM J. S. | EG-05 |
| KIM J. W. | Dp-I-015 |
| KIM J. Y. | Hp-III-064 |
| KIM J.H | Bp-III-011 |
| KIM J.-S. | DG-21 |
| KIM J.-Y. | Dp-II-080 |
| KIM J.Y. | HF-06(초) |
| KIM J.Y. | HF-08(초) |
| KIM Jae H. | Dp-III-148 |
| KIM Jae Hoon | Dp-III-147 |
| KIM Jae Myung | IG-02(초) |
| KIM Jae Young | DG-38 |
| KIM Jae. H. | Dp-III-141 |
| KIM Jaewan | PC-05(초) |
| KIM JaeYeol | Ep-II-074 |
| KIM Jae-Yong | Dp-IV-165 |
| KIM Jae-yong | Dp-IV-212 |
| KIM Jae-Young | DG-52 |
| KIM Jayoung | lp-I-012 |
| KIM Jeong-Sook | Lp-III-003 |
| KIM Jeongwoo | DG-26 |
| KIM Jeongyong | DG-33 |

| | |
|---------------|-----------------|
| KIM Ji Hyun | CF-08 |
| KIM Ji Yeon | Dp-III-138 |
| KIM Jieun | BG-21 |
| KIM Jieun | Bp-III-008 |
| KIM JiEun | Bp-III-015 |
| KIM Jieun | LG-13 |
| KIM Jihn E. | TS-01(초) |
| KIM Ji-Hoon | DG-47 |
| KIM Ji-Hoon | Dp-III-131 |
| KIM Ji-Hyun | DG-21, DG-42 |
| KIM Jin Min | Fp-III-022 |
| KIM Jin Won | Dp-I-026 |
| KIM Jinhee | DF-20 |
| KIM Jinhee | Ep-IV-135 |
| KIM Jin-Hee | lp-IV-063 |
| KIM JINJU | Hp-II-041 |
| KIM Jin-Soo | DG-41 |
| KIM Jinwoo | Kp-III-120 |
| KIM Jinwoong | DG-26 |
| KIM Jinwoong | EF-18 |
| KIM Jinwoong | EF-19 |
| KIM Jiyeon | EG-33 |
| KIM Jong Guk | Cp-II-010 |
| KIM Jong Kyu | KG-07(초) |
| KIM Jongdae | Kp-III-102 |
| KIM Jong-Ki | Ep-II-079 |
| KIM Jongki | IG-12 |
| KIM Jong-Min | Kp-I-017 |
| KIM Jong-Pil | Dp-III-124 |
| KIM Jongwon | CG-06 |
| KIM Jooyoun | Ep-IV-108 |
| KIM Ju Young | DG-55 |
| KIM Juin | Fp-III-010 |
| KIM Juin | Fp-III-011 |
| KIM Ju-Jin | DF-02 |
| KIM Jun Sung | Dp-III-145 |
| KIM Jun Sung | Dp-III-149 |
| KIM Jun Sung | Dp-IV-198 |
| KIM Jun Young | Dp-IV-220 |

| | |
|---------------|------------------------------------|
| KIM June-Hee | DG-06 |
| KIM Jung Hwan | Ep-II-055, Ep-IV-126 |
| KIM Jung Sung | DG-59 |
| KIM Jung Sung | Dp-I-051 |
| KIM Jungho | Ep-II-072 |
| KIM Jung-Ryul | Jp-II-006, Jp-II-008 |
| KIM Junki | lp-IV-056 |
| KIM Junki | JG-02 |
| KIM Junwoo | Ep-II-071 |
| KIM K. B. | BG-02 |
| KIM K. S. | Lp-III-001 |
| KIM K. | Lp-III-001 |
| KIM K.S | Cp-II-003 |
| KIM K.W | BG-05 |
| KIM Kab-Jin | Dp-II-112 |
| KIM Kang Hwan | Jp-II-005 |
| KIM Kee Hoon | DG-06 |
| KIM Kee Hoon | DG-54 |
| KIM Kee Hoon | Dp-I-021, Dp-I-035, Dp-I-045 |
| KIM Kee Hoon | EG-33 |
| KIM Keun Soo | Ep-IV-108 |
| KIM Ki Buem | PB-09 |
| KIM KI MIN | HF-05(초) |
| KIM Ki Min | Hp-III-070 |
| KIM Ki-Bum | Cp-II-001 |
| KIM Ki-Bum | Hp-II-001 |
| KIM Ki-Hong | Ep-II-079 |
| KIM Ki-Hong | Ep-IV-115 |
| KIM Ki-jeong | Dp-IV-195 |
| KIM Kipom | Ep-II-077 |
| KIM Kwang Soo | CG-10 |
| KIM Kwanghoon | Ep-II-052 |
| KIM Kwangsoo | Cp-II-016 |
| KIM Kwang-Woo | A2-01(초) |
| KIM Kwon-Ho | KG-22 |
| KIM Kyoo | Dp-II-075 |

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|----------------|------------|
| KIM Kyoo | Dp-II-080 |
| KIM Kyoungsik | CG-01 |
| KIM Kyung Nam | PD-04(초) |
| KIM KYUNG SOOK | Cp-II-007 |
| KIM Kyung Yeon | Dp-IV-183 |
| KIM Kyungmin | LG-01 |
| KIM Kyung-Ryul | A2-01(초) |
| KIM Kyungsik | Cp-II-017 |
| KIM Kyung-Sook | CG-10 |
| KIM Kyung-Sook | Cp-II-016 |
| KIM M. J. | Bp-III-018 |
| KIM M. | PA-08 |
| KIM M.J | CG-04 |
| KIM M.J | Cp-II-003 |
| KIM Maengsuk | Dp-II-085 |
| KIM Maeng-suk | DT-03 |
| KIM Mahn Won | Dp-IV-211 |
| KIM MahnWon | Dp-IV-213 |
| KIM Minjae | Dp-II-075 |
| KIM Minjung | Cp-II-028 |
| KIM Min-kook | Dp-IV-178 |
| KIM Minkyoo | BG-42 |
| KIM Min-Seok | Hp-II-027 |
| KIM Min-seok | Hp-II-036 |
| KIM Minsoo | Dp-IV-210 |
| KIM Minsuk | BG-23 |
| KIM Mungyung | Hp-II-013 |
| KIM Myong-Ho | Dp-I-014 |
| KIM Myong-Ho | Dp-I-026 |
| KIM Myong-Ho | Dp-I-041 |
| KIM Nakwoo | BG-40 |
| KIM Nam | DF-02 |
| KIM Nammee | Kp-III-120 |
| KIM S. C. | BG-02 |
| KIM S. H | Bp-III-011 |
| KIM S. K. | BG-02 |
| KIM S. K. | Bp-III-018 |
| KIM S. S. | Dp-I-015 |
| KIM S. W. | Dp-I-015 |
| KIM S.C | BG-05 |

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|----------------|------------|
| KIM S.-J. | Dp-IV-186 |
| KIM S.K | BG-05 |
| KIM Samuel | Ep-II-075 |
| KIM Sang Gi | Kp-III-102 |
| KIM Sang -Jae | Dp-I-056 |
| KIM Sang Jae | Ep-IV-109 |
| KIM SANG JAE | Ep-IV-153 |
| KIM Sang Soo | Dp-I-009 |
| KIM Sang Soo | Dp-I-014 |
| KIM Sang Soo | Dp-I-026 |
| KIM Sang Soo | Dp-I-041 |
| KIM Sang Wook | Dp-I-009 |
| KIM Sang Wook | Dp-I-026 |
| KIM Sang Wook | Dp-I-041 |
| KIM Sang Wook | Jp-II-005 |
| KIM Sang-Koog | TS-04(초) |
| KIM Sang-Woo | KG-22 |
| KIM Sang-Woo | Kp-I-036 |
| KIM Sang-Woo | Kp-I-043, |
| | Kp-I-052 |
| KIM Sang-Woo | Kp-I-064 |
| KIM Seok Hwan | Ep-IV-111 |
| KIM Seok | BG-39 |
| KIM Seong-Baek | Dp-I-021 |
| KIM Seongmin | Dp-III-121 |
| KIM Seung-hwan | Fp-III-005 |
| KIM Seunghwan | Fp-III-013 |
| KIM Seunghwan | Fp-III-020 |
| KIM SEUNG-HWAN | |
| | Hp-II-008 |
| KIM SeungHyun | Ip-IV-063 |
| KIM SEUNG-SU | KF-01(초) |
| KIM Seyong | BG-32 |
| KIM Shin-Ae | Dp-I-045 |
| KIM Sok Won | Dp-IV-215, |
| | Ip-IV-050 |
| KIM Song-Ju | Fp-III-029 |
| KIM Soo Yong | Dp-IV-215, |
| | Ip-IV-050 |
| KIM Sook Ho | EF-08(초) |

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|---------------|-------------|----------------|------------|
| KIM Soon-Wook | Lp-III-002, | KIM Y. D. | BG-02 |
| | Lp-III-003 | KIM Y. H. | BG-02 |
| KIM SuBong | Bp-III-015 | KIM Y. H. | CG-03 |
| KIM Sug-Whan | LG-13 | KIM Y. K. | PA-11 |
| KIM Sunam | lp-I-011 | KIM Y. S. | DT-03 |
| KIM Sung Baek | DG-52 | KIM Y. S. | EG-05 |
| KIM Sung Baek | Dp-I-038 | KIM Y. S. | Kp-III-123 |
| KIM Sung gug | Ep-II-052 | KIM Y.D | BG-05 |
| KIM Sung Hoon | Dp-II-078 | KIM Y.G | CG-04 |
| KIM Sung Hwan | Ep-IV-114 | KIM Y.H | CG-04 |
| KIM Sung Hyun | CF-08 | KIM Y.K. | Dp-III-145 |
| KIM Sunghwan | Cp-II-006 | KIM Ye Jin | Hp-II-042 |
| KIM sunghwan | Ep-I-004 | KIM YE JIN | Hp-III-086 |
| KIM sunghwan | Ep-I-010 | KIM ye jin | Hp-III-087 |
| KIM Sung-Kyu | IG-18 | KIM YONG KYUN | CF-02(초) |
| KIM Sungmin | Dp-IV-200 | KIM Yong Kyun | DF-23 |
| KIM Sungmin | PA-14 | KIM Yong Soo | KG-26(초) |
| KIM Sung-Sik | HF-07(초) | KIM Yong-Hoon | Dp-IV-221 |
| KIM Sun-Hwa | DG-39 | KIM Yong-Hoon | Ep-IV-160 |
| KIM T | Ep-IV-094 | KIM Yong-Hyun | DG-13 |
| KIM Tae-Hwan | DG-48 | KIM Yoo Seok | Ep-IV-111 |
| KIM Taejong | BG-23 | KIM Yoojin | Ep-II-064 |
| KIM Taekyu | Ep-IV-090, | KIM Yoonhee | lp-I-011 |
| | Gp-III-003 | KIM Yoonhee | lp-I-012 |
| KIM Taewan | Dp-II-105 | KIM Yooseok | Ep-IV-114 |
| KIM Taewan | Ep-IV-093, | KIM Young Dong | Kp-III-127 |
| | Ep-IV-097 | KIM Young Duck | Dp-IV-180 |
| KIM W.-J. | Dp-I-015 | KIM Young Duck | Dp-IV-181 |
| KIM Won Jeong | Dp-I-014 | KIM Young Hwan | KG-25 |
| KIM Won Jeong | Dp-I-026 | KIM Youngill | Kp-III-077 |
| KIM Won Jeong | Dp-I-041 | KIM YoungJin | Bp-III-015 |
| KIM Won Jeong | Dp-I-009 | KIM Young-June | PA-05 |
| KIM Won Kyu | FG-04 | KIM Youngkuk | DG-63 |
| KIM Won Sup | Fp-III-008 | KIM Young-Sun | CG-15 |
| KIM Wookrae | Jp-II-006, | KIM Youngwook | DG-59 |
| | Jp-II-008 | KIM Youngwook | Dp-IV-198 |
| KIM Wooyoung | Cp-II-024, | KIM Yu-Chan | PB-10 |
| | Cp-II-025 | KIM Yunwon | Ep-II-054 |
| KIM Y C | Dp-I-057 | KIM Yup | Fp-III-027 |
| KIM Y | Hp-II-040 | KIMURA Akio | DF-17 |

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|-------------------|------------|
| KIMURA S. | DF-21 |
| KIMURA Shin-ichi | PA-13 |
| KIMURA Tsuyoshi | TS-05) |
| KIRAVITTAYA Suwit | |
| | KG-11 |
| KITO H. | PA-04 |
| KNUTZEN S. | BG-20 |
| KO B. R. | Bp-III-018 |
| KO Changhyun | Ep-I-038 |
| KO In Soo | HG-11 |
| KO IN SOO | Hp-II-008 |
| KO In Soo | Hp-II-018 |
| KO J. S. | Ep-IV-127 |
| KO K-E | DG-71 |
| KO Kyung-Tae | DG-52 |
| KO Rock-Kil | Dp-I-057 |
| KO Tae-Wook | Fp-III-008 |
| KO Tae-Wook | Fp-III-009 |
| KO Won-Ha | Hp-III-051 |
| KO Yongkyu | CG-01 |
| KOBAYASHI Shinji | Hp-III-052 |
| KOH Eunkyung | BG-36 |
| KOMABA Shinichi | DF-12 |
| KOMATSUBARA T | CG-04 |
| KOMATSUBARA T. | |
| | CG-03 |
| KONG D. J. | BG-22 |
| KONG Daejung | BG-24 |
| KONG DaeJung | Bp-III-008 |
| KONG DaeJung | Bp-III-015 |
| KONG Ki-Jeong | Dp-III-118 |
| KONOSHIMA Shigeru | |
| | Hp-III-052 |
| KONTANI Hiroshi | PA-02 |
| KOO Bon-Gil | EG-43 |
| KOO Jin Gun | Kp-III-102 |
| KOTERA Katsushige | |
| | Bp-III-008 |
| KOVYCHEV V. | BG-02 |
| KRISHNAMOORTHY | |

| | |
|----------------------|------------|
| Karthikeyan | Ep-IV-153 |
| KRUTELYOV V. | BG-22 |
| KUBODERA Kuniharu | |
| | CG-17 |
| KUBONO S | CG-04 |
| KUBONO S. | CG-03 |
| KUK Young | Dp-IV-193 |
| KUK young | KG-03 |
| KUK Young | PA-14 |
| KUK, C.H | Hp-II-026 |
| KULKARNI N. S. | DG-48 |
| KUMAI R. | PA-04 |
| KUMAR Brijesh | KG-22, |
| | Kp-I-043 |
| KUMAR Brijesh | Kp-I-036 |
| KUMAR Brijesh | Kp-I-052 |
| KUMAR G. Bhaskar | |
| | Ip-IV-067 |
| KUMAR Kiran | Kp-I-057 |
| KURIHARA Y. | CG-03 |
| KURNIA Fran | EG-30 |
| KUZMENKO Alexander | |
| | Ip-I-005 |
| KUZNETSOV Vyacheslav | |
| | Cp-II-024, |
| | Cp-II-025 |
| KWAK C.-H. | Ep-IV-146 |
| KWAK D.W | Cp-II-014 |
| KWAK K | DG-71 |
| KWAK Wooseop | Fp-III-021 |
| KWEON Jin Jung | Dp-I-027, |
| | Dp-I-043 |
| KWON Dae-Gyeon | |
| | EG-44 |
| KWON H. J. | PA-08 |
| KWON Hyeok Jung | |
| | Hp-II-025 |
| KWON Hyeok-Jung | |
| | Hp-II-028 |
| KWON Hyeok-Jung | |

| | |
|-----------------|-------------|
| | Hp-II-030, |
| | Hp-II-031 |
| KWON Hyosang | Dp-III-130, |
| | Dp-III-223 |
| KWON Hyuk-Woo | DG-55 |
| KWON Hyunwoong | EF-19 |
| KWON J. M. | Hp-III-064 |
| KWON J.M. | HF-08(초) |
| KWON Jae-Min | HF-06(초) |
| KWON Jeonghoon | Dp-IV-200 |
| KWON M. | Hp-III-051 |
| KWON Myeun | Hp-III-058 |
| KWON Ohjin | HF-03(초) |
| KWON Oryong | Dp-II-083 |
| KWON Sungchul | FF-01(초) |
| KWON Woo Jin | Jp-II-012 |
| KWON Y S | Dp-I-060 |
| KWON Y. J. | Bp-III-018 |
| KWON Y. K. | CG-03 |
| KWON Y.J | BG-05 |
| KWON Y.K | CG-04 |
| KWON Yong Seung | DG-57 |
| KWON Yong Seung | PA-13 |
| KWON Yongjoon | BG-43 |
| KWON Young Il | Cp-II-012 |
| KWON Youngjoon | BG-27 |
| KWON Young-Kyun | DG-17 |
| KWON Young-Kyun | DG-47 |
| KWON Young-Kyun | EG-16, |
| | EG-44 |
| KWON Young-Kyun | EG-21 |
| KWON Young-Kyun | EG-23, |
| | EG-43 |
| KWON Young-Wan | Dp-II-104 |

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|---------------------|--------------|
| KYHM Jihoon | IG-15 |
| KYHM Kwangseuk | EG-07, IG-15 |
| KYOUNG-WOONG Moon | Dp-II-066 |
| KYUN Ahn | Ep-II-073, |
| | Ep-IV-137 |
| KYUN Ahn | Ep-IV-141 |
| KYUNG-JAE Chung | HG-01 |
| LE Viet-Duc | DG-13 |
| LEDOVSKOY Alexander | BG-24 |
| LEE, S.S. | Ep-IV-158 |
| LEE Ah Rahm | Kp-III-113 |
| LEE Alex Taekyung | DG-12 |
| LEE Bo Wha | Dp-II-069 |
| LEE Bo Wha | Dp-II-086 |
| LEE Bo Wha | Dp-II-094 |
| LEE Bo Wha | Kp-III-079 |
| LEE Bong Ju | Hp-II-042 |
| LEE BONG JU | Hp-III-086 |
| LEE bong ju | Hp-III-087 |
| LEE bongju | Hp-III-091 |
| LEE Bora | Dp-IV-201 |
| LEE Bum-Hoon | BG-42 |
| LEE Bum-Hoon | BG-52 |
| LEE Bum-Hoon | LG-06, |
| | LG-07 |
| LEE Bumsung | Dp-I-021 |
| LEE Byeong-Joo | PB-08 |
| LEE Byounghoon | BG-23 |
| LEE Byung-il | Ep-II-074 |
| LEE Byung-Joon | Hp-II-035 |
| LEE C. H. | PA-04 |
| LEE C.S | CG-04 |
| LEE Chang Hoon | Dp-II-104, |
| | Dp-IV-214 |
| LEE Chang Hoon | Dp-IV-218 |

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|-------------------|-------------------------------------|
| LEE Chang-Hee | DF-08 |
| LEE Chang-Lyoul | KG-02(초) |
| LEE Chang-Sun | EG-16 |
| LEE Cheol Eui Lee | Dp-I-027 |
| LEE Cheol Eui | DG-49, Dp-I-043 |
| LEE Cheol Eui | Dp-II-089 |
| LEE Cheol Eui | Dp-II-092 |
| LEE Cheol Eui | Dp-II-093 |
| LEE Cheol Hyeok | Dp-III-141 |
| LEE Cheol Jin | Dp-IV-172, Dp-IV-208 |
| LEE CheolEui | Dp-II-101 |
| LEE CheolHo | Cp-II-036 |
| LEE Chul H. | LG-06 |
| LEE CHUL H. | LG-07 |
| LEE Chul | Ep-IV-108 |
| LEE Chungyeol | EG-18, Ep-IV-145 |
| LEE D. J | Dp-I-032 |
| LEE D. | Dp-II-077 |
| LEE Dong Gi | Ep-I-003 |
| LEE DONG JIN | Kp-I-054 |
| LEE Dong Uk | Kp-III-100, Kp-III-115 |
| LEE Donggu | Dp-IV-220 |
| LEE DongKi | Kp-III-123 |
| LEE Ensang | HG-06(초) |
| LEE Eun Kyoung | KG-03 |
| LEE Eung-goo | Dp-III-130 |
| LEE G. | PA-08 |
| LEE Geunsik | Dp-III-145, Dp-III-149, PA-11 |
| LEE Gil-Ho | DF-02 |
| LEE Gil-Ho | DF-28, DF-30 |
| LEE Gil-Ho | DG-59 |
| LEE Gun-Do | DG-63 |

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|----------------|------------------------------------|
| LEE H. S. | BG-02 |
| LEE H. | Hp-III-051 |
| LEE Hae June | HG-06(초) |
| LEE Hak Bong | Dp-I-035, Dp-I-045 |
| LEE Hakjoon | KG-19 |
| LEE Hakjoon | KG-20 |
| LEE Hana | Dp-II-105 |
| LEE Hana | Ep-IV-093, Ep-IV-097 |
| LEE Han-Koo | Dp-III-128 |
| LEE Han-Koo | Kp-III-118 |
| LEE Hansung | EG-18 |
| LEE Hee-Jo | Ep-I-029, Ep-I-032, Ep-I-033 |
| LEE Ho Nyung | Ep-I-020, Ep-IV-122 |
| LEE Ho Sueb | Ep-I-003 |
| LEE Ho Sueb | Ep-II-059 |
| LEE HoSueb | Ip-IV-068 |
| LEE Hu-Jong | DF-28, DF-30 |
| LEE Hu-Jong | DG-59 |
| LEE Hu-Jong | Dp-I-051 |
| LEE Hu-Jong | Dp-IV-210 |
| LEE Hun-Sung | Dp-II-081 |
| LEE Hyo Jun | Kp-III-100, Kp-III-115 |
| LEE Hyo Sung | Kp-I-061 |
| LEE Hyo-Jin | Dp-II-106 |
| LEE Hyun Keun | FF-04 |
| LEE Hyun Kyu | LG-01 |
| LEE Hyunbok | EG-29 |
| LEE Hyunbok | Ep-IV-102 |
| LEE Hyung June | EG-21 |
| LEE Hyungjun | DF-19 |
| LEE Hyungjun | Dp-IV-190 |
| LEE HyunJung | Hp-III-072 |
| LEE Hyunsoo | DG-33 |

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|--------------|------------|
| LEE Hyun-Woo | DF-04 |
| LEE Hyun-Woo | Dp-II-112 |
| LEE Hyun-Woo | Dp-IV-170 |
| LEE Hyunyong | Hp-III-052 |
| LEE I.J. | Ep-IV-110 |
| LEE J. C. | DG-36 |
| LEE J. H. | Dp-II-096 |
| LEE J. H. | Hp-III-051 |
| LEE J. I. | BG-02 |
| LEE J. M. | BG-02 |
| LEE J. | HF-04(초) |
| LEE J. | PD-03(초) |
| LEE J.H | BG-05 |
| LEE J.H | CG-04 |
| LEE J.I | BG-05 |
| LEE J.K | BG-05 |
| LEE Jae Il | Dp-III-137 |
| LEE Jae Yong | BG-16 |
| LEE Jae Yu | Hp-II-005 |
| LEE Jaecheol | Kp-III-103 |
| LEE Jae-Chul | Dp-II-071 |
| LEE Jae-Chul | Dp-II-112 |
| LEE Jae-Chul | KG-24 |
| LEE JaeHak | Kp-III-103 |
| LEE Jae-Suk | KG-02(초) |
| LEE Jae-weon | BG-45 |
| LEE Jei Hyun | EG-29 |
| LEE Jeihyun | Ep-IV-102 |
| LEE Jeong-O | DF-20 |
| LEE Jeong-O | KF-01(초) |
| LEE Ji San | DG-30 |
| LEE Ji Young | PD-04(초) |
| LEE Ji-Eun | KG-24 |
| LEE Jik | LG-10 |
| LEE Jik | LG-11 |
| LEE Jik | LG-13 |
| LEE Jin Ho | Kp-III-102 |
| LEE Jin Seok | DF-20 |
| LEE Jin Woo | DG-33 |
| LEE Jin Yong | KG-23 |

| | |
|----------------|------------|
| LEE Jin-Kyu | EF-17 |
| LEE Jong-Bong | EF-07(초) |
| LEE Jongha | Hp-III-056 |
| LEE Jongmin | IF-02(초) |
| LEE Jong-Phil | BG-17 |
| LEE Joo Hee | Dp-IV-201 |
| LEE Joo-Kyung | Ep-II-076 |
| LEE Joon Sung | Cp-II-012 |
| LEE Jung Goo | DG-02 |
| LEE Jung Hun | BG-40 |
| LEE Jung Hun | Hp-III-085 |
| LEE Jungeun | BG-24 |
| LEE Junghyun | Ep-II-061 |
| LEE Jungjai | BG-44 |
| LEE Jungmin | Dp-IV-212 |
| LEE Jun-Ho | Dp-III-125 |
| LEE Ju-Won | KG-24 |
| LEE K | Ep-IV-094 |
| LEE K. B. | BG-02 |
| LEE Kang Hyuck | Kp-I-043 |
| LEE Kang Seog | CG-22 |
| LEE Kang-Ho | DG-22 |
| LEE Kang-Hyuck | Kp-I-036 |
| LEE Kangseok | EG-22 |
| LEE Kang-Soo | Dp-II-071 |
| LEE Kang-Soo | Dp-II-112 |
| LEE Keumsook | FG-13 |
| LEE Keun Young | KG-22 |
| LEE Keun Young | Kp-I-064 |
| LEE Ki-Suk | TS-04(초) |
| LEE Kitae | PD-04(초) |
| LEE Kunyoung | EG-08 |
| LEE Kwang-Sei | DG-49, |
| | Dp-I-027, |
| | Dp-I-043 |
| LEE Kwang-Sei | Dp-I-023 |
| LEE Kwan-Woo | DG-01(초) |
| LEE Kwan-Woo | Dp-I-049, |
| | Dp-II-108 |
| LEE Kyu Won | Dp-I-027 |

| | | | |
|----------------|-------------|----------------|------------|
| LEE Kyu Won | Dp-II-089 | LEE Nae Eung | Hp-III-085 |
| LEE Kyu Won | Dp-II-092 | LEE Naesung | EG-18, |
| LEE Kyu Won | Dp-II-093 | | Ep-IV-145, |
| LEE Kyu-Dong | Hp-III-057 | | Ep-IV-154 |
| LEE Kyu-Hong | Cp-II-036 | LEE NamKi | Ep-II-074 |
| LEE Kyungil | Dp-II-105 | LEE Namki | Ep-II-075 |
| LEE Kyungil | Ep-IV-097 | LEE Rena | Cp-II-035 |
| LEE KyuWon | Dp-II-101 | LEE S. J. | BG-02 |
| LEE M. H. | Dp-I-015 | LEE S. K. | PD-03(초) |
| LEE M. J. | BG-02 | LEE S.G. | Hp-III-058 |
| LEE M. J. | Bp-III-018 | LEE S.J | BG-05 |
| LEE M. K. | BG-02 | LEE Sam Hyeon | EF-11(초), |
| LEE M. W. | Lp-III-001 | | EG-38, |
| LEE M.J | BG-05 | | EG-42, |
| LEE M.W | Cp-II-003, | | Ep-II-050, |
| | Cp-II-014 | | Ep-IV-083 |
| LEE MANWOO | Bp-III-025, | LEE SANG GON | HF-05(초) |
| | Cp-II-007 | LEE SANG JU | Hp-III-086 |
| LEE ManWoo | Cp-II-015 | LEE sang ju | Hp-III-087 |
| LEE Manwoo | Cp-II-016 | LEE Sang Wook | EG-34 |
| LEE Mina | EF-08(초) | LEE sang yeop | KG-19 |
| LEE Minchul | DG-18 | LEE Sangbin | Ep-IV-115 |
| LEE Min-Ho | JG-10 | LEE Sang-Hee | FG-03 |
| LEE Min-Ho | JG-11 | LEE sanghoon | Dp-II-068 |
| LEE Minjun | Dp-IV-193 | LEE sanghoon | KG-19 |
| LEE Minjun | Dp-IV-200 | LEE sanghoon | KG-20 |
| LEE Moohee | Dp-II-078 | LEE Sang-hwa | Dp-III-121 |
| LEE Moonjoo | lp-IV-056 | LEE Sang-Hwa | Dp-IV-165 |
| LEE Moonjoo | JG-02 | LEE Sang-Kwon | Dp-IV-204 |
| LEE Myang Hwan | Dp-I-009 | LEE Sangmin | BG-36 |
| LEE Myang Hwan | Dp-I-014 | LEE Sangwook | Ep-II-061 |
| LEE Myang Hwan | Dp-I-026 | LEE SangWook | Ep-IV-155 |
| LEE Myang Hwan | Dp-I-041 | LEE sangyeop | Dp-II-068 |
| LEE Myounghee | Ep-II-063, | LEE Sangyong | Dp-IV-165 |
| | Ep-II-071 | LEE Sejoon | KG-23 |
| LEE Myung-Jae | DG-41 | LEE Seong Ku | IF-02(초) |
| LEE Myung-Shik | EF-18 | LEE Seongsu | DF-08 |
| LEE Myung-Shik | EF-19 | LEE Seongsu | Dp-II-073 |
| LEE N. H. | CG-03 | LEE Seung Hwan | EF-11(초), |
| LEE N. S. | Ep-IV-127 | | EG-38, |

| | | | |
|----------------|-------------|--------------------|------------|
| | EG-42, | LEE Yun Sang | DG-38 |
| | Ep-II-050, | LEE Yuna | Hp-II-009 |
| | Ep-IV-083 | LEE YunSang | Dp-I-012 |
| LEE Seung Youb | Ep-IV-111 | LEE1 Ik-Jae | Kp-III-118 |
| LEE Seung Youb | Ep-IV-114 | LEMMENS P | Dp-II-096 |
| LEE Seung-Yong | Dp-IV-204 | LEMMENS P. | Dp-II-087 |
| LEE Seung-Yub | PB-06 | LEPS Collaboration | |
| LEE Soohyung | BG-25 | | CF-11 |
| LEE Soonchil | Dp-II-082 | LEUNG Benjamin | KG-06(초) |
| LEE Su Yong | IG-02(초) | LHO Taihyeop | Hp-III-091 |
| LEE Sunae | Ep-II-062, | LI A. P. | DG-48 |
| | Ep-II-063, | LI Guo-Hong | KG-01(초) |
| | Ep-II-064, | LI Guojie | Dp-I-020 |
| | Ep-II-071 | LI Guojie | Kp-I-065 |
| LEE Sung Hee | HG-03 | LI Huaiyong | Ep-II-059 |
| LEE Sunghune | Ep-IV-135 | LI J. | BG-02 |
| LEE Sung-Hyun | Dp-II-109 | LI J. | BG-03 |
| LEE Sungwoo | EF-17 | LI J. | BG-05 |
| LEE Tae Gu | Hp-III-057 | LI Jian | Dp-I-008 |
| LEE Tae-Soo | Dp-III-116, | LI Mo | PB-02 |
| | Ep-IV-123, | LI X. | BG-02 |
| | Ep-IV-136, | LI Xiurong | Bp-III-001 |
| | Ep-IV-140 | LI Y.J | BG-05 |
| LEE Wah-Keat | DG-30 | LI Y.J. | BG-03 |
| LEE Weonjong | BG-30 | LIU Jingling | Dp-IV-202 |
| LEE wonjae | HF-05(초) | LIM Ae Ran | Dp-II-078 |
| LEE Wonjae | Hp-III-070 | LIM Dong Seok | Kp-I-061 |
| LEE Wonwoo | LG-06 | LIM Heuijin | LG-10 |
| LEE Y. S | Dp-I-032 | LIM Heuijin | LG-11, |
| LEE Y. S. | DG-36 | | LG-13 |
| LEE Yeon Il | Ep-II-065 | LIM Hyuneui | Dp-IV-204 |
| LEE Yeonil | Ep-II-072 | LIM Jaekwan | EF-17 |
| LEE Y-J | DG-71 | LIM Sooin | Jp-II-006, |
| LEE Y-O | Cp-II-016 | | Jp-II-008 |
| LEE Yong Seok | KG-25 | LIM Soonho | DG-06 |
| LEE Yong Woo | PD-04(초) | LIM Tong-Kun | lp-IV-070 |
| LEE Yong Wook | Ep-I-038 | LIM Yong-Sick | DG-34 |
| LEE Yong-Woo | Dp-II-106 | LIM Yong-Sik | DG-34 |
| LEE Youngmin | KG-23 | LIMSUWAN P. | Cp-II-006 |
| LEE Young-Ouk | CG-10 | LIN C.J. | BG-22 |

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|-------------------------|---------------------------------------|----------------------|---|
| LINDER E. V. | LG-13 | | BG-14 |
| LINDER Eric | PC-07(초) | MEAN B. J. | Dp-II-078 |
| LIPSTEIN Arthur E. | BG-36 | MEIER Guido | TS-04(초) |
| LIU Chunli | EG-30 | MEYER H. M. | DG-48 |
| LIU Chunli | Kp-III-079 | MICHEL Anny | Dp-II-063 |
| LIU Jingling | Dp-IV-203, EG-02, Ep-I-015 | MILLET P. | BG-20 |
| | | MILMAN Evgeniy | Cp-II-024, Cp-II-025 |
| LIU Jingling | Ep-IV-132 | MIN B. I. | DG-07 |
| LIU X. | Dp-II-068, KG-19 | MIN B. I. | Dp-II-075 |
| LKHAGVASUREN Baasandorj | | MIN B. I. | Dp-II-080 |
| | DG-35 | MIN B. I. | PA-08 |
| LONG Deng Xiao | Dp-III-126 | MIN Bumki | EF-12(초) |
| LOPEZ Rosa | DG-18 | MIN Byoung-Chul | Dp-II-081 |
| LU D.H. | DG-40 | MIN Byung-Kwon | IG-12 |
| LU Z. P. | PB-07 | MIN Chul-Hee | DG-55 |
| LUSTERMAN W. | Lp-III-001 | MIN K | Ep-IV-094 |
| M. K. Lee | Bp-III-009 | MIN Kiljun | Dp-II-105 |
| M. S. Seo | Ep-IV-092 | MIN Kiljun | Ep-IV-093, Ep-IV-097 |
| M.J Rapp | Cp-II-003, Cp-II-014, Cp-II-015 | MIN KyungJoo | CG-15 |
| MAKABE Toshiaki | PD-05(초) | MINAMI Takashi | Hp-III-052 |
| MÄKELÄ Harri | JG-03 | MINAMI Takayuki | Hp-III-052 |
| MALBERTI M. | BG-20 | MIO Norikatsu | PC-03(초) |
| MANWOO LEE Manwoo | | MIWA Koji | CF-07 |
| | CG-10 | MIYAJIMA Tsukasa | |
| MARATHE SHASHIDHARA | | | Hp-II-050 |
| | EG-10 | MIYAZAWA K. | PA-04 |
| MARATHE Shashidharha | | MIYOUNG KIM | Kp-III-098 |
| | Ip-I-011 | MIZUUCHI Tohru | Hp-III-052 |
| MARKOVIC NednadM. | | MOCHIZUKI Toshimitsu | |
| | Dp-I-061 | | Ep-I-036, Kp-I-021 |
| MAROTTA Angela | BG-21 | MOHAN Rajneesh | Dp-IV-186 |
| MARTIN Thierry | DG-18 | MONTALVO Roy | BG-21 |
| MASAYA I. | Bp-III-018 | MOON Byung Kee | Dp-III-140, Ep-II-055, Ep-II-056, Ep-II-059, Ep-IV-126, |
| MATAS Slavomir | Dp-I-035 | | |
| MATSUNAMI M. | DF-21 | | |
| MATSUZAKI Shinya | | | |

Ep-IV-138,
 Ep-IV-147
 MOON ChangSeong Bp-III-015
 MOON Chang-Youn DF-19
 MOON Hie Tae Ep-II-065
 MOON Hietae Ep-II-072
 MOON Hye Jin Ep-I-042
 MOON Hyejin Cp-II-032
 MOON J.Y CG-04
 MOON Jongdae Kp-III-107
 MOON Joon-Young Fp-III-020
 MOON K. M. Hp-III-072
 MOON Kyoung-Woong Dp-II-071
 MOON Kyoung-Woong Dp-II-112
 MOON SUNG-IK Hp-II-008
 MOON Y.M Cp-II-014
 MORII Yukio DF-11
 MOSK Allard IG-11
 MOTOBASHI T CG-04
 MUKAI Kiyofumi Hp-III-052
 MUKAIDA M Dp-I-056
 MUN Bongjin Simon Dp-I-061
 MURAKAMI Sadayoshi Hp-III-052
 MURAYAMA Akihiro IG-15
 MYEONG Gi-Hwan Ep-IV-162
 MYOUNG-SUN Heo JG-05
 MYUNG S. S. BG-02
 MYUNG S.S BG-05
 N. G. Deshpande Ep-IV-092
 NA Gowoon LG-11

NA Kyoung II Kp-III-102
 NA Sewoong Dp-I-051
 NA Teresa W. Cp-II-035
 NA Yong-Su HF-03(초),
 Hp-III-070
 NA Yong-Su HF-05(초)
 NAGARAJAN Ganapathi
 Subramaniam KG-24
 NAGASAKI Kazunobu Hp-III-052
 NAHM Ho-Hyun DT-03
 NAKAJIMA M. PA-04
 NAKAMURA Yuji Hp-III-052
 NAKANO T CF-11
 NAKAO Mikihiro BG-25
 NAKAZAWA Kazuma Cp-II-034
 NAM Inhyuk HG-13
 NAM Jiwoo LG-10
 NAM Jiwoo LG-11
 NAM Jiwoo LG-13
 NAM Joong Hee DG-06
 NAM K. H. PD-03(초)
 NAM Koohyun LG-13
 NAM Sang Hoon A2-01(초)
 NAM Sang Hoon Hp-II-035
 NAM Seung-Geol DG-59
 NAM Soonkeon BG-43
 NAM Soon-Kwon Bp-III-005,
 Hp-II-001
 NAM Yong Un Hp-III-055
 NAM Yong-Un Hp-III-054
 NAM Young Woo Ep-IV-167
 NAM, S.H Hp-II-026
 NAMEDA Etsushi Fp-III-029
 NAMKUNG WON Cp-II-007
 NARAYANAN Suresh DG-69
 NDIAYE B Dp-III-158
 NDIAYE BASSIROU

| | |
|-----------------|------------|
| | Dp-II-078 |
| NEIL Greenham | KG-02(초) |
| NGUYEN Ba Phi | Fp-III-028 |
| NGUYEN D. Hung | Kp-I-015 |
| NGUYEN HAI DONG | |
| | Kp-I-054 |
| NGUYEN Thach | DG-35 |
| NGUYEN tri khoa | lp-I-035 |
| NI Andrey | Cp-II-024, |
| | Cp-II-025 |
| NICHOLSON D. M. | DG-48 |
| NISHIYAMA Miho | Bp-III-008 |
| NO Hyun-Ho | DF-02 |
| NOGAMI A. | Dp-I-021 |
| NOH Do Young | IG-02(초) |
| NOH Do Young | lp-I-011 |
| NOH Do Young | lp-I-012 |
| NOH Han-Jin | Dp-I-038 |
| NOH Han-Jin | Dp-III-128 |
| NOH Hwayoung | Ep-IV-093, |
| | Ep-IV-097 |
| NOH Hyeon Mi | Ep-II-055 |
| NOH Hyunho | DF-20 |
| NOH HyunHo | lp-IV-063 |
| NOH Jae Dong | FF-04 |
| NOH S. J. | Dp-I-027 |
| NOH S. J. | Dp-II-093 |
| NOH Seunguk | Dp-IV-220 |
| NOH T. W. | DG-36 |
| NOH T. W. | Dp-II-077 |
| NOH Tae Won | DG-38 |
| NOH TaeWon | Dp-I-012 |
| NOJIRI H. | Dp-II-087 |
| ODKHUU Dorj | Dp-II-062, |
| | Dp-II-088 |
| OH Changheon | LG-06, |
| | LG-07 |
| OH Dong-Cheol | Kp-I-061 |
| OH G. T. | EG-05 |
| OH Gabjin | Fp-III-013 |

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|--------------------|------------|
| OH Hyun Jin | PA-13 |
| OH Hyungju | Dp-I-047, |
| | Dp-I-058 |
| OH In-Hwan | DG-49 |
| OH In-Hwan | Dp-I-007, |
| | Dp-I-023 |
| OH In-Hwan | Dp-I-043 |
| OH In-Hwan | Dp-I-045 |
| OH Jaewon | Kp-I-053 |
| OH John J. | BG-44 |
| OH Kyunghwan | IG-12 |
| OH S. G. | Hp-III-051 |
| OH S. | Hp-III-051 |
| OH Sang Hoon | PC-06(초) |
| OH Se-Jung | DG-55 |
| OH Seongshik | KG-01(초) |
| OH Seung Tae | Hp-III-056 |
| OH Sun Kun | Bp-III-023 |
| OH Tae Su | KG-25 |
| OH Y. D. | BG-20 |
| OH Y._S | Hp-II-011 |
| OH Y.-S | Hp-II-014 |
| OH Y.-S. | Hp-III-073 |
| OH Yoon Seok | DG-54 |
| OH YoungDo | Bp-III-008 |
| OH YoungDo | Bp-III-015 |
| OHNO Hideo | TS-06(초) |
| OHSHIMA Shinsuke | |
| | Hp-III-052 |
| OKABAYASHI Youichi | |
| | Fp-III-029 |
| OKADA Hiroyuki | Hp-III-052 |
| OKANO Makoto | Kp-I-021 |
| OLSEN S. | BG-02 |
| OLSEN S. | Bp-III-018 |
| OLSEN S.L | BG-05 |
| OLSEN S.L. | BG-03 |
| PACK Chan-Gi | Dp-IV-215 |
| PAE K. H. | HF-04(초) |
| PAE K. H. | PD-03(초) |

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|------------------|-----------------------------------|
| PAK Eun Sick | Dp-III-124 |
| PANDEY RINA | Kp-I-054 |
| PARC Yong Woon | HG-11 |
| PARC Yong Woon | Hp-II-018 |
| PARC YONG-WOON | Hp-II-008 |
| PARK Ah Hyun | KG-25 |
| PARK B. D | Bp-III-011 |
| PARK B. H. | EG-05 |
| PARK B. J | DG-71 |
| PARK B.-G. | Dp-II-080 |
| PARK Bae Ho | DG-41 |
| PARK Bae Ho | Ep-II-076 |
| PARK Beom-Jun | Dp-II-109 |
| PARK Bum Sik | Hp-II-025 |
| PARK Bum-Sik | Hp-II-028 |
| PARK Byeong-Gyu | DG-52 |
| PARK Byung Cheol | Dp-III-147, Dp-III-148 |
| PARK Byung Do | CF-08 |
| PARK C. W. | Bp-III-018 |
| PARK C.-I. | Ep-IV-146 |
| PARK Chan | DG-71 |
| PARK Chang-Yup | Dp-II-081 |
| PARK Chanyong | BG-52 |
| PARK Chong-Yun | Ep-IV-111 |
| PARK Choon Mahn | EF-11(초) |
| PARK Choon Mahn | EG-38, Ep-II-050, Ep-IV-083 |
| PARK Choon Mahn | EG-42 |
| PARK Chul Hong | Dp-II-085 |
| PARK Chul Hong | DT-03 |
| PARK D. S. | Hp-III-072 |
| PARK DONG-WON | |

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|----------------|---|
| | KF-01(초) |
| PARK E_K | Hp-II-011, Hp-II-014 |
| PARK E.-K. | Hp-III-073 |
| PARK Eul-doo | Ep-IV-110 |
| PARK Eun-Ji | KG-24 |
| PARK Eun-Kyung | Dp-IV-165 |
| PARK Gwangseo | Dp-III-130, Dp-III-223 |
| PARK H. K. | Bp-III-018 |
| PARK H. | BG-02 |
| PARK H. | Bp-III-018 |
| PARK H. | Ep-I-004 |
| PARK H. | Ep-I-010 |
| PARK Hee Yeon | Dp-I-054 |
| PARK HEEYEON | Dp-I-059 |
| PARK Heungsik | FF-01(초) |
| PARK Hoon | Ep-II-062, Ep-II-063, Ep-II-064, Ep-II-071 |
| PARK Hye Jin | Ep-IV-167 |
| PARK Hye-Jeong | Kp-I-036 |
| PARK Hye-Jeong | Kp-I-043 |
| PARK Hye-Jeong | Kp-I-052 |
| PARK Hyunggyu | FF-01(초) |
| PARK Hyunggyu | FF-03 |
| PARK Hyunggyu | FF-04 |
| PARK Hyunjae | Hp-III-091 |
| PARK Hyun-jun | DG-69 |
| PARK Hyun-jun | Ep-I-011 |
| PARK Hyun-Kyu | Kp-I-064 |
| PARK I. G | Bp-III-011 |
| PARK II H | LG-10 |
| PARK II H. | LG-11 |
| PARK II H. | LG-13 |
| PARK In Suk | Dp-I-057 |
| PARK Insung | Dp-II-105 |
| PARK Insung | Ep-IV-093 |
| PARK J. -H. | Dp-II-074 |

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| PARK J. M. Sungil | Dp-I-007 |
| PARK J. S. | Dp-I-015 |
| PARK J. W | Dp-I-032 |
| PARK J.S | CG-04 |
| PARK Jae-Hoon | DG-52 |
| PARK Jae-Hoon | DG-54 |
| PARK Jaehun | Kp-III-118 |
| PARK Jae-Hyun | Dp-I-051 |
| PARK Jaemo | BG-39 |
| PARK Jaikoo | Dp-III-121 |
| PARK Jeong Young | DF-26(초) |
| PARK Jeongmin | Cp-II-006 |
| PARK Ji Hoon | Dp-III-148 |
| PARK Jihoon | DG-02 |
| PARK Jihun | Dp-III-138 |
| PARK Jin Hun | Cp-II-032 |
| PARK Jin Hun | Ep-I-042 |
| PARK Jin Su | Dp-I-009 |
| PARK Jin Su | Dp-I-014 |
| PARK Jin Su | Dp-I-026 |
| PARK Jin Su | Dp-I-041 |
| PARK Jin-Seong | KF-06(초) |
| PARK Ji-Sang | DG-15 |
| PARK Jong Jin | EF-11(초), EG-38, EG-42, Ep-II-050, Ep-IV-083 |
| PARK Jong Soo | FG-13 |
| PARK Jong Wan | DG-59 |
| PARK Jong-Chul | BG-15 |
| PARK Jong-Dae | BG-43 |
| PARK Jong-Ho | Dp-III-155, Dp-III-163 |
| PARK Joonbum | Dp-III-145 |
| PARK Joonbum | Dp-III-149 |
| PARK Joon-Suh | DG-58 |
| PARK Jun Kue | Dp-II-089 |
| PARK Jun Kue | Dp-II-093 |

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|-----------------|-------------|
| PARK June | EG-22 |
| PARK Jungho | Ep-II-061 |
| PARK Junkue | Dp-II-101 |
| PARK Junseuk | Hp-III-091 |
| PARK Kayoung | Cp-II-002 |
| PARK Kwon | PA-03 |
| PARK Kyoungwan | Kp-III-077 |
| PARK Kyoung-Won | PB-08 |
| PARK Lee-Seul | DF-20 |
| PARK Mijin | Fp-III-020 |
| PARK Min Kyu | Ep-IV-160 |
| PARK Min | EG-34 |
| PARK Min | Ep-IV-142 |
| PARK Min-Suck | Kp-III-123 |
| PARK S.H | CG-04 |
| PARK S.-J. | Hp-III-073 |
| PARK Sang Kook | Dp-I-054 |
| PARK Sanghwa | Cp-II-005 |
| PARK Sang-Joon | Dp-IV-165 |
| PARK SANGKOOK | Dp-I-059 |
| PARK Sang-Yeon | Dp-II-080 |
| PARK SeHwan | Cp-II-036 |
| PARK Seong Chan | BG-13(초) |
| PARK Seong Hee | PD-04(초) |
| PARK Seong-Hun | Dp-I-007 |
| PARK Seung Joo | EG-34 |
| PARK sohee | DG-27 |
| PARK Soo Hyung | EG-29 |
| PARK Soohyung | Ep-IV-102 |
| PARK Sora | DG-17 |
| PARK Su Ji | DG-30 |
| PARK Sun Mi | Fp-III-003 |
| PARK Sung Ju | HG-11 |
| PARK Sung Wook | Dp-III-140 |
| PARK SUNG-JU | Hp-II-008 |
| PARK Sung-Ju | Hp-II-018 |
| PARK Sung-Ki | KG-26(초) |
| PARK Sungmin | Dp-III-130, |

| | |
|------------------------|-------------------------|
| | Dp-III-223 |
| PARK T | Dp-I-060, Dp-IV-222 |
| PARK Tae-Sun | Cp-II-018 |
| PARK Tae-Sun | Cp-II-031 |
| PARK Tuson | PA-09 |
| PARK Y. D. | Hp-III-051 |
| PARK Y. M. | Hp-III-072 |
| PARK Yeong Shin | Hp-II-009 |
| PARK Yongjin | Dp-III-118 |
| PARK Yongju | Dp-IV-220 |
| PARK YONG-JUNG | |
| | Hp-II-008 |
| PARK Yongsup | DG-47 |
| PARK Yongsup | Dp-III-131 |
| PARK Young Ran | Dp-IV-172, Dp-IV-208 |
| PARK Yun Chang | Ep-IV-135 |
| PARK Yun Daniel | DF-03 |
| PARK Yun Daniel | DG-23 |
| PARK Yun Daniel | Dp-IV-180 |
| PARK Yun Daniel | Dp-IV-181 |
| PARK Yung Woo | EG-34 |
| PARK Yung Woo | Ep-IV-142 |
| PARK Yung Woo | Ep-IV-167 |
| PARKIN Stuart S. P. | |
| | AP-02 |
| PATIL Deepak | DG-06 |
| PATOLE Shashikant P. | |
| | Ep-II-069 |
| PATOLE Shasshhikant P. | |
| | Ep-I-012 |
| PAULSON Bjorn | Ip-IV-058 |
| PEFP Team | A2-02(초) |
| PETERSON Byron | |
| | Hp-III-059 |
| PFEIFFER Loren N. | |
| | Ep-I-036, Kp-I-021 |
| PHUNG Duy Khuong | |

| | |
|---------------------|-------------------------------------|
| | Ip-IV-047 |
| PIROGOV A.N. | DF-16 |
| PRAK Chong-Yun | Ep-IV-114 |
| PRELLIER Wilfrid | Dp-I-012 |
| PROKES Karel | Dp-I-035 |
| PUIGH D. | BG-20 |
| PYO Seungmoon | Ep-II-061 |
| QIANG Zhou | EF-17 |
| QIU Jijun | EG-12 |
| QU Xuesong | Ep-IV-161 |
| R. G. ELLIMAN | Kp-I-049 |
| RADHAKRISHNAN B. | |
| | DG-48 |
| RAGHAVAN CM | Ep-I-012, Ep-I-023, Ep-II-069 |
| RAHAMAN Hasibur | |
| | Hp-II-035 |
| RAHAMAN, H | Hp-II-026 |
| RAJAGUKGUK Reni | |
| | Dp-II-086 |
| RAJAGUKGUK Reni | |
| | Dp-II-094 |
| RAMANATHAN Shiriram | |
| | Ep-I-038 |
| RAO B. Vengala | Ip-IV-067 |
| RAO Peta Koteswara | |
| | Kp-I-024 |
| RASTELLI Armando | |
| | KG-11 |
| REE Moonhor | A2-01(초) |
| REEHUIS Manfred | Dp-I-045 |
| REGLERO Victor | LG-12 |
| REHMAN Aman-ur | |
| | HF-01(초) |
| RHEE J | DG-71 |
| RHEE T | HF-08(초) |
| RHEE T. | HF-06(초) |
| RHEE Y. M. | PA-08 |
| RHO Mannque | BG-41 |

| | | | |
|--------------------|------------|--------------------|------------|
| RHO Mannque | LG-01 | | JG-01(초) |
| RHYEE Jong Soo | Dp-III-141 | SAINI Shrikant | Dp-I-056 |
| RHYEE Jong-Soo | DG-57 | SAKUMA Tai | BG-21 |
| RHYEE Jong-Soo | PA-06 | SANG SU LEE | Ep-IV-099 |
| RI Hyeong-Cheol | Dp-I-054 | SANG-JIN Sin | CF-12(초) |
| RI Hyeong-Cheol | Dp-I-059 | SANGSOO KIM | EG-10 |
| RIPA Jakub | PC-08(초) | SANGWOOK LEE | EG-19 |
| RO T.I | Cp-II-003, | SANO Fumimichi | Hp-III-052 |
| | Cp-II-014 | SANTOS Tiffany | DG-42 |
| RO Tae-Ik | Cp-II-015 | SATO susumu | Cp-II-034 |
| RODRIGO Juana M. | | SATO Y. | BG-02 |
| | LG-12 | SAVELIEV Valeri | Bp-III-019 |
| ROESER U. | Lp-III-001 | SAVELJEV Vladimir | |
| RONNING F | Dp-I-060 | | IG-18 |
| ROSNET Philippe | Bp-III-023 | SAVIN Daniel Wolf | JG-12 |
| ROSS PhillipN. | Dp-I-061 | SAVOY-NAVARRO | Aurore |
| ROTENBERG Eli | Dp-I-061 | | Bp-III-019 |
| ROTERMUND Fabian | | SCHEFFER Juerg | Dp-I-021, |
| | Ip-IV-045 | | Dp-I-035, |
| ROTH Siegmarr | Ep-IV-167 | | Dp-I-045 |
| RYU Byungki | DG-15 | SCHEFFLER Matthias | |
| RYU Jisu | Dp-II-112 | | DG-65 |
| RYU Jisu | Dp-IV-170 | SCHMIDT Oliver G. | |
| RYU Mee-Yi | Kp-I-053 | | KG-11 |
| RYU Mi Sun | Ep-II-065 | SCHOMERUS Henning | |
| RYU Misun | Ep-II-072 | | IG-19 |
| RYU Sang-Wan | Ep-IV-162 | SEFKOW Felix | Bp-III-008 |
| RYU Sang-Wan | KG-06(초) | SENGUPTA Sinjini | BG-21 |
| RYU Sun Young | CF-08 | SEO, E.K. | Ep-IV-158 |
| RYU SUN YOUNG | Hp-II-049 | SEO Dongcheol | Hp-III-059 |
| S. Choi | Bp-III-009 | SEO EUN MI | KF-01(초) |
| S. J. Lee | Ep-II-053, | SEO Giwan | Ep-I-038 |
| | Ep-IV-092 | SEO Giwan | Ep-IV-103 |
| S. Olsen | Bp-III-009 | SEO Hoe-Joo | Dp-III-124 |
| S.-W. Han | DG-11 | SEO Hyojin | Ep-I-002 |
| S.-W. Han | Ep-IV-139 | SEO Jaewon | DG-47 |
| SACKSTEDER Vincent | | SEO Jaewon | Dp-III-131 |
| | DG-25 | SEO Ju-Seok | KG-22 |
| SAES BYUL Kim | Kp-I-060 | SEO Ju-Seok | Kp-I-064 |
| SAGAWA Takahiro | | SEO Miri | Ep-II-061 |

| | |
|-----------------|--|
| SEO S.-Y. | Ep-IV-146 |
| SEO Tae Hoon | KG-25 |
| SEO wontaek | lp-IV-056 |
| SEO Wontaek | JG-02 |
| SEO Y. K. | DG-36 |
| SEO Yong Mun | EF-11(초), EG-42, Ep-IV-083 |
| SEO Yong Mun | EG-38 |
| SEO Yong Mun | Ep-II-050 |
| SEO Yunseok | BG-42 |
| SEO Yu-Seong | DG-39 |
| SEOK Dongchan | Hp-III-091 |
| SEOL Kyung Tae | Hp-II-025 |
| SEOL Kyung-Tae | Hp-II-031 |
| SEON Jongho | HG-06(초) |
| SEONG I.S | BG-05 |
| SEONG Maeng-Je | EG-22 |
| SESSI Violetta | DG-42 |
| SETO Osamu | BG-47 |
| SEUNGHWAN Kim | Fp-III-004 |
| SE-YOUNG Jeong | Ep-IV-141 |
| SHAHID Muhammad | DG-60, IDp-IV-185, Dp-IV-202, Dp-IV-203, EG-14, Ep-I-015, Ep-I-021 |
| SHAKIR Imran | DG-60, IDp-IV-185, Dp-IV-202, Dp-IV-203, EG-02, IEG-14, Ep-I-015, Ep-I-021, Ep-I-023, Ep-IV-132 |

| | |
|---------------------|-------------------------------------|
| SHAMOTO S. | PA-04 |
| SHARMA Bharat Kumar | Dp-II-083 |
| SHEN Baolong | PB-05 |
| SHEN Z. X. | DG-40 |
| SHI LIANG | Ep-IV-085 |
| SHI Y.J. | Hp-III-058 |
| SHIM J. H. | PA-08 |
| SHIM Jeong Hyun | Dp-II-082 |
| SHIM Ji Hoon | Dp-III-145, Dp-III-149, PA-11 |
| SHIM June Bum | EG-34 |
| SHIM Seung Bo | DG-23 |
| SHIM Seung Bo | Dp-IV-180 |
| SHIN ChangDong | Bp-III-015 |
| SHIN Dong guen | EG-29 |
| SHIN Dong Hun | Hp-II-042 |
| SHIN DONG HUN | Hp-III-086 |
| SHIN Dong Soo | lp-IV-067 |
| SHIN Donggeun | Ep-IV-102 |
| SHIN Donghan | Dp-I-047, Dp-I-058 |
| SHIN Eun-Ha | Dp-III-114 |
| SHIN Hyo-Sup | Dp-IV-215 |
| SHIN Hyun-Joon | Kp-III-103 |
| SHIN Il-Jae | Dp-II-081 |
| SHIN Jaeoh | FG-06 |
| SHIN JaeWon | CG-20 |
| SHIN Jae-Won | Cp-II-018 |
| SHIN jinsik | KG-19 |
| SHIN Jinsik | KG-20 |
| SHIN Jun-Hwan | DG-34 |
| SHIN Jun-Hwan | Ep-I-038 |
| SHIN Jun-Hwan | Ep-IV-103 |
| SHIN K | Ep-IV-094 |
| SHIN Kyung-Ho | Dp-II-071 |
| SHIN Kyung-Ho | Dp-II-112 |
| SHIN Kyung-Sik | Kp-I-036 |
| SHIN Kyung-Sik | Kp-I-043 |

| | |
|--------------------|------------|
| SHIN Kyung-Sik | Kp-I-052* |
| SHIN Mincheol | Dp-III-118 |
| SHIN Moon-Su | Kp-III-123 |
| SHIN Pyeong Ji | Ep-I-003 |
| SHIN SeungHwan | Hp-II-013 |
| SHIN Sowon | Dp-II-105 |
| SHIN Sowon | Ep-IV-093 |
| SHIN Sung-Chul | Dp-II-081 |
| SHIN Sung-Chul | Dp-II-109 |
| SHIN Taegye | Dp-III-121 |
| SHIN Taegyū | Dp-IV-212 |
| SHIN Yong Wook | Hp-II-042 |
| SHIN YONG WOOK | |
| | Hp-III-086 |
| SHIN Yong-il | Jp-II-012 |
| SHIRAGE P. M. | PA-04 |
| SHOJI Nagamiya | AP-01 |
| SHU G.-J. | Dp-II-087 |
| SHUNSKE Tuzoka | Bp-III-008 |
| SIM H.-S. | DF-05 |
| SIM Jung Seok | Dp-II-078 |
| SIM Kyung Ik | Dp-III-141 |
| SIM SeungBo | Ip-IV-063 |
| SIN Sang-Jin | BG-42 |
| SIWON Jang | Hp-II-046 |
| SKULLERUD Jon-Ivar | |
| | BG-32 |
| SKUMA Taka | Bp-III-008 |
| SMOOT G.F. | LG-13 |
| SO J. H. | BG-02 |
| SO J.H | BG-05 |
| SO, J.H | Hp-II-026 |
| SOH Kwang-Sup | EF-17 |
| SOHN ChangHee | Dp-I-012 |
| SOHN Jang-II | Fp-III-019 |
| SON DONG CHUL | Hp-II-049 |
| SON J. W. | EG-05 |
| SON Jong wan | Ep-II-076 |
| SON Jung-Woo | Kp-III-100 |
| SON Min-Ho | Kp-III-123 |

| | |
|------------------------|------------|
| SON Vo-Thanh | Ep-IV-123, |
| | Ep-IV-136, |
| | Ep-IV-140 |
| SON, Y.K | Hp-II-026 |
| SONG Dae-Yup | Jp-II-007 |
| SONG Hooyoung | Kp-I-020 |
| SONG J. S | Bp-III-011 |
| SONG Jeongseog | CG-06 |
| SONG Jin Dong | Ip-I-032 |
| SONG Jong Hyun | Ep-I-044 |
| SONG Jung-Hoon | Kp-I-061 |
| SONG Keun-Man | Kp-I-017 |
| SONG Sanghoon | DG-69 |
| SONG SangHoon | Ep-I-011 |
| SONG T. K. | Dp-I-015 |
| SONG Tae Kwon | Dp-I-009 |
| SONG Tae Kwon | Dp-I-014 |
| SONG Tae Kwon | Dp-I-026 |
| SONG Tae Kwon | Dp-I-041 |
| SONG Taegeun | DG-31 |
| SONG Taegeun | DG-56 |
| SONG Wooseok | Ep-IV-114 |
| SONG Yong-Won | IF-04(초) |
| SONG Yoo Jang | DG-57 |
| SONG Young-Gi | Hp-II-028 |
| SONG Young-Gi | Hp-II-031 |
| SONG Younghoon | JG-02 |
| SONG Younghun | Ip-IV-056 |
| SONG Young-Sang | |
| | Dp-I-021, |
| | Dp-I-035, |
| | Dp-I-045 |
| SONG Yun Young | PA-13 |
| SOON-GEUN Je | Dp-II-066 |
| STAMENKOVIC VojislavR. | |
| | Dp-I-061 |
| STANTON C. J. | IG-07(초) |
| STEPHAN R. SHARPE | |
| | BG-33 |
| STOLZ Arnaud | Ep-IV-162 |

| | |
|------------------|------------|
| SU Zhendong | EF-17 |
| SUG-BONG Cheo | Dp-II-066 |
| SUH Eun-Kyung | KG-25 |
| SUH Hwansoo | PA-14 |
| SUH Jin-Yoo | PB-10 |
| SUH Jooyoung | Kp-I-020 |
| SUK HEEYONG | Hp-II-041 |
| SUK Hyyong | HG-13 |
| SUK Hyyong | Hp-II-027 |
| SUK Hyyong | Hp-II-036 |
| SUN YOUNG LEE | Ep-IV-099 |
| SUNAM KIM | EG-10 |
| SUNG J. H. | PD-03(초) |
| SUNG Jae Hee | IF-02(초) |
| SUNG Min Gyu | KG-26(초) |
| SUNG Nak-Heon | PA-06 |
| SUNG Wokyung | FG-04 |
| SUNG Wokyung | FG-06 |
| SUNG Yeon Soo | Dp-I-014 |
| SUNG Yeon Soo | Dp-I-026 |
| SUNG Yeon Soo | Dp-I-041 |
| SUNG-GUK Han | Fp-III-017 |
| SUNGHOON Lee | Kp-III-125 |
| SUNG-MIN Ahn | Dp-II-066 |
| SUZUKI Soh | BG-25 |
| TAE Giyoong | lp-I-012 |
| TAKAFUMI Yao | Ep-I-016 |
| TAKAFUMI Yao | Kp-I-006, |
| | Kp-I-037 |
| TAKAMI Tomohide | Ep-II-076 |
| TAKAMURA M | Dp-I-056 |
| TAKESHITA N. | PA-04 |
| TAKESHITA Tohru | Bp-III-008 |
| TAKEUCHI Masaki | Hp-III-052 |
| TAMBUNAN Octolia | Togibasa |
| | Kp-III-079 |
| TANAKA H | Jp-II-011 |
| TANIDA K. | BG-02 |
| TANIDA Kiyoshi | Bp-III-017 |
| TANIDA Kiyoshi | Cp-II-005 |

| | |
|-------------------------|-------------|
| TANIDA Kiyoshi | Cp-II-028 |
| TANNER Gregor | JG-09(초), |
| | JT-01(초), |
| | JT-02(초), |
| | JT-03(초) |
| TAO YUYU | Ep-IV-080, |
| | Ep-IV-085 |
| TENREIRO Claudio | |
| | CG-15, |
| | Cp-II-018 |
| TENREIRO Claudio | |
| | Cp-II-031 |
| TEPLYKH A. E. | DF-16 |
| TERANISH T | CG-04 |
| TERNANISHI T. | CG-03* |
| TERZOLO Laurent | HF-07(초), |
| | Hp-III-064, |
| | Hp-III-070 |
| THAKUR Anup | Kp-III-103 |
| THAKUR1 Anup | Kp-III-118 |
| THE LEPS2 COLLABORATION | |
| at SPring-8 | |
| | CF-06 |
| the UFFO collaboration | |
| | LG-10 |
| THIET Duong Van | DG-05 |
| THIET Duong Van | Dp-III-120 |
| THOMPSON J D | Dp-I-060 |
| TKATCHENKO Alexander | |
| | DG-65* |
| TOGANO Y | CG-04 |
| TOM NEK David | DG-17* |
| TOMIOKA Y. | PA-04 |
| TOMIYASU Ryoko | DF-09 |
| TOMSON J. | BG-22 |
| TORII Shuki | DF-09 |
| TRANG Nguyen Thi Hong | |
| | Dp-IV-185 |
| TRINH Tu Anh | Hp-II-025 |
| TSEVELMAA Tumurbaatar | |

Dp-II-088
 TUNG Pham Cao Thanh
 Ep-I-011
 TWENEBOAH-KODUAH Samuel
 Kp-III-083,
 Kp-III-124
 TWENEBOAH-KODUAH Samuel
 Kp-III-101
 UCHIDA S. PA-04
 UEDA Masahito JG-01(초)
 UHM Han Sup HG-03,
 Hp-II-042
 UHM Han Sup HG-13
 UHM Han-Sup Hp-II-027*
 ULLAH Aman Dp-I-022*
 UM Ja Yoon Kp-III-123*
 UM Jaegon FF-03
 UNNO Y. Bp-III-018
 UOZUMI S. BG-22
 UOZUMI Satoru Bp-III-008
 V. Kovychyev Bp-III-009
 VAN BIBBER Karl
 TS-02(초)
 VAN QUANG TRAN
 Kp-III-098
 VASKA Paul Cp-II-032
 VEKHTER I Dp-I-060
 VENUGOPAL Gunasekaran
 Ep-IV-109
 VENUGOPAL GUNASEKARAN
 Ep-IV-153
 VIERTEL G. M. Lp-III-001
 VO Thanh Son Dp-III-116
 VOGEL Andreas TS-04(초)
 VON GUNTEN HP. Lp-III-001
 VORONTSOV A B Dp-I-060
 W. H. Jang Ep-II-049
 WAKABAYASHI Y. CG-03
 WALTER A. Dp-I-061
 WAN Weishi CG-06

WANG B. X. CG-03
 WANG Bo Ip-IV-041
 WANG Cai-Zhuang
 DG-63
 WANG Jianwei Ep-IV-128
 WATANABE Gentaro
 JG-03
 WEI Su-Huai DG-13
 WEI Su-Huai Kp-III-119
 WEON Byung Mook
 DG-29
 WEON Byung Mook
 DG-30
 WEONJONG Lee BG-33
 WEST Ken W. Ep-I-036,
 Kp-I-021
 WI Hanmin Hp-III-056
 WITTICH P. BG-20
 WOLFF-FABRIS Frederik
 Dp-I-051
 WOLFF-FABRIS Frederik
 Dp-III-145
 WON E. I. Bp-III-018
 WON Eunil BG-25
 WON jaehyuk Dp-II-068
 WON Jaehyuk KG-20
 WONHO Jhe JG-05
 WONSUK Choi Dp-III-159
 WONWOO Lee LG-07
 WOO C. S. Dp-II-096
 WOO H.-J. Hp-II-011,
 Hp-II-014
 WOO H.-J. Hp-III-073
 WOO Han Young EG-07
 WOO Hyun Joo Ip-IV-068
 WOO Hyun-Jong Dp-IV-165
 WUERFEL Uli Tobias
 Ep-II-063,
 Ep-II-064
 WULFERDING D Dp-II-096

| | | | |
|------------------|---|--------------------|-------------------------|
| WULFERDING D. | Dp-II-087 | YANG In-Sang | Dp-II-077 |
| X. Li | Bp-III-009 | YANG Jeonghwa | DG-03 |
| X. Liu | KG-20 | YANG Jeonghwa(양정화) | |
| X. R. Jin | Ep-II-049, Ep-II-051, Ep-II-053 | | DG-04 |
| XIA Fan | Ep-IV-125 | YANG Seolun | DG-42 |
| XIANG T. | PA-07 | YANG Seongbae | Cp-II-028 |
| XUAN BINH Cao | Ep-II-052 | YANG SUNG CHUL | |
| Y. Danon | Cp-II-003, Cp-II-014, Cp-II-015 | | Cp-II-007 |
| Y. P. Lee | Ep-II-049, Ep-II-051, Ep-II-053, Ep-IV-092 | YANG Sung-Chul | CG-10 |
| Y. Sato | Bp-III-009 | YANG Woo-Young | |
| YABUUCHI Naoaki | | | Ep-IV-115 |
| | DF-12 | YANG Yil Suk | Kp-III-102 |
| YAMADA Atsuo | DF-14 | YANG YuCheol | Bp-III-015 |
| YAMAGUCHI H | CG-04 | YANG Yuchul | BG-24 |
| YAMAGUCHI H. | CG-03 | YANG Z | Dp-I-060 |
| YAMAMOTO Satoshi | | YANSEN Widi | Dp-II-069 |
| | Hp-III-052 | YAO Takafumi | KG-21(초) |
| YAN Changzeng | Ep-I-012, Ep-I-023 | YAO Takafumi | Kp-I-001 |
| YAN Chanzeng | Ep-II-06 | YAO Takafumi | Kp-I-061 |
| YAN Li Qin | Dp-I-021 | YEE KiJu | Ip-IV-063 |
| YANG C.-H. | Dp-II-096 | YEONJIN Yi | Ep-IV-102 |
| YANG Chanuk | DF-03 | YERINO Christopher | |
| YANG CheolSoo | Dp-IV-195 | | KG-06(초) |
| YANG H. L. | Hp-III-072 | Yi Il Gu | Fp-III-026 |
| YANG Hyun Kyoung | | Yi K.R | Cp-II-003 |
| | Ep-II-059, Ep-IV-147, Ep-IV-161 | Yi Sang-Heon | BG-43 |
| YANG Hyun Kyoung | | Yi S-M. | HF-06(초) |
| | Ep-IV-126 | Yi Soung Soo | Ep-I-003 |
| YANG Hyun Seok | BG-44 | Yi Soung Soo | Ep-II-059 |
| YANG ILKYU | Dp-I-037 | Yi Soung-Soo | Ip-IV-067, Ip-IV-068 |
| | | Yi Sumin | HF-07(초) |
| | | Yi Sumin | HF-08(초) |
| | | Yi Sungsu | DG-55 |
| | | Yi Yeonjin | EG-29 |
| | | YIM Haein | Ep-I-008 |
| | | YIM Jonghyuk | Ip-I-032 |
| | | YONEMURA Masano | |
| | | | DF-09 |
| | | YONGHEE Kim | JG-05 |

| | |
|-----------------|-------------------------|
| YOO Hanbyeol | Kp-III-118 |
| YOO J. S. | CG-03 |
| YOO J.W. | Hp-III-058 |
| YOO Jaeun | DG-71 |
| YOO Joo-yeon | Fp-III-005 |
| YOO Jung Hoon | Ep-IV-167 |
| YOO Seungryul | Hp-III-091 |
| YOO Sung M. | JG-04 |
| YOO taehee | Dp-II-068 |
| YOO Taehee | KG-20 |
| YOO Yang-Seok | Kp-I-035 |
| YOO, In-Kwon | CF-15(초) |
| YOO, K. | Ep-IV-158 |
| YOOK Soon-Hyung | Fp-III-027 |
| YOOK Youngmin | BG-27 |
| YOON Boram | BG-30 |
| YOON C. S | Bp-III-011 |
| YOON Chun Sil | CF-08 |
| YOON E.S. | Fp-III-030 |
| YOON Euijoon | DG-63 |
| YOON Hana | DG-12 |
| YOON I. S. | EG-05 |
| YOON J. H. | DG-36 |
| YOON J.R | Cp-II-003, Cp-II-014 |
| YOON Jae Hyun | PA-13 |
| YOON Jae Jin | Kp-III-127 |
| YOON Jaeho | Ip-IV-067 |
| YOON Jang-Hee | Dp-III-124 |
| YOON Jin-Hee | Cp-II-002 |
| YOON Jong Keon | Dp-III-138 |
| YOON KyungByung | Ep-I-011 |
| YOON Nara | Kp-I-061 |
| YOON Si Woo | Hp-III-070 |
| YOON Taehyun | PC-04(초) |
| YOON Tae-Young | EF-05(초) |
| YOON-HEE Kang | Ep-II-073, Ep-IV-137 |

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|-------------------|-----------------------|
| YOON-HEE Kang | Ep-IV-141 |
| YOONHEE KIM | EG-10 |
| YOSHIDA Yoshiyuki | DG-40 |
| YOSHIDA YOSHIYUKI | Dp-I-039 |
| YOSHITA Masahiro | Ep-I-036, Kp-I-021 |
| YOU Hee-Wook | Kp-III-115 |
| YOU Sangha | Kp-III-114 |
| YOUM Dojun | DG-71 |
| YOUN Jun ho | Ep-II-065 |
| YOUN Junho | Ep-II-072 |
| YU Byung Deok | DT-05 |
| YU Intae | BG-23 |
| YU InTae | Bp-III-015 |
| YU Jaejun | EG-33 |
| YU T. J. | PD-03(초) |
| YU Tae Jun | IF-02(초) |
| YU Young-Sang | TS-04(초) |
| YU Zhang | KG-06(초) |
| YUAN Heng | Ip-IV-041 |
| YUE Q. | BG-03 |
| YUE Q. | BG-05 |
| YULDASHEV Sh. U. | Kp-I-054 |
| YUN C.C | CG-04 |
| YUN H. | PD-03(초) |
| YUN Hoyeol | Ep-IV-155 |
| YUN Sang-Jun | Dp-II-112 |
| YUN Yong-Sun | Cp-II-012 |
| YUS RAMA DENNY | Ep-IV-099 |
| ZHANG Junrong | DF-09 |
| ZHANG X.-G. | DG-48 |
| ZHENLAN Jin | Ep-IV-139 |
| ZOU Jin | Kp-I-040 |
| ZOU Jin | Kp-I-046 |

