Center for Theoretical Physics of Complex Systems

Institute for Basic Science

RECENT ADVANCES IN TOPOLOGICAL PHOTONICS

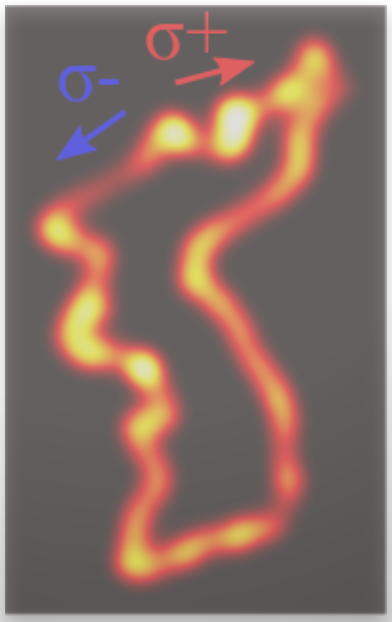
INTERNATIONAL WORKSHOP

June 17 - 21, 2019

Tremendous recent progress has been made in implementing topological phases of light using metamaterials, photonic crystals, and photonic lattices. The aim of this workshop is to explore innovative approaches for integrating topological phases and robust edge states with nonlinear, anisotropic, dispersive, or quantum photonic systems and promote closer collaboration between theorists and experimentalists working in related fields.

Topics include:

- Topological photonic crystals and lattices
- Geometric and topological phases in crystal optics
- Surface waves of anisotropic media
- Nonlinear and quantum topological photonics
- Novel experimental platforms



To apply for participation in the Workshop, complete the online application form by March 15, 2019.

Workshop registration fee: 200,000 KRW (for all participants). Accommodation costs and meals will be covered by the PCS IBS. Limited funding is available to partially cover travel expenses.

For further information, please contact:
pcs@ibs.re.kr
Visitor Program, PCS IBS, Daejeon, Korea

Invited Speakers

Alberto Amo (France)
Miguel Bandres (USA)
Hrvoje Buljan (Croatia)
Yidong Chong (Singapore)
Barbara Dietz (China)
Shanhui Fan (USA)
Maxim Gorlach (Russia)
Mohammad Hafezi (USA)
Alexander Khanikaev (USA)
Andrei Lavrinenko (Denmark)
Max Lein (Japan)
Zhengyou Liu (China)
Franco Nori (Japan)
Sang Soon Oh (UK)
Tomoki Ozawa (Japan)
Namkyoo Park (Korea)
Alexander Poddubny (Australia)
Jun Won Rhim (Korea)
Junsuk Rho (Korea)
Henning Schomerus (UK)
Xiangdong Zhang (China)
Jian Zi (China)

Scientific Coordinators

Daniel Leykam (Korea)
Zhigang Chen (China & USA)
Alexander Szameit (Germany)

Organizers

Jaehee Kwon (Korea)
Gileun Lee (Korea)
Heeyun Lee (Korea)

Coordinator: Dominika Konikowska (Korea)

We also offer fellowships (Ph.D., postdoctoral, sabbatical), as well as short- and long-term visitor positions — cf. **pcs.ibs.re.kr**