

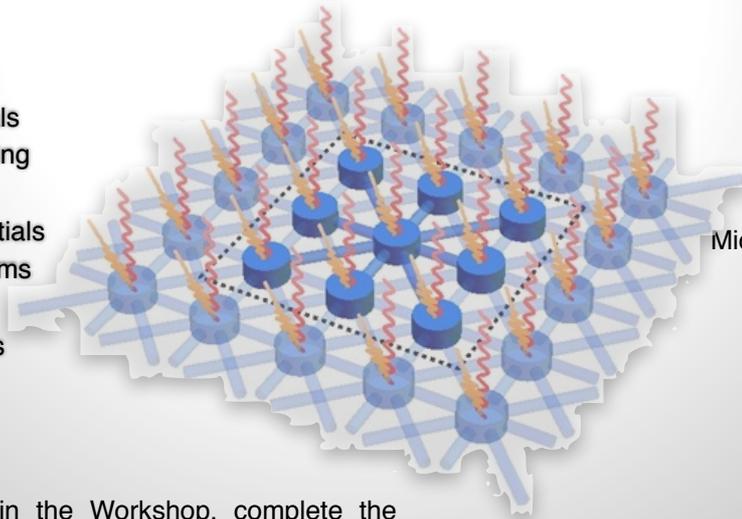
# POLARITONS IN EMERGING MATERIALS

INTERNATIONAL WORKSHOP  
May 18 – 22, 2020

The main aim of the event is to discuss the frontiers of exciton-polariton transport in semiconductor microcavities with the world-leading experts, as well as develop and strengthen collaboration between the theoretical and experimental research groups. Particular emphasis will be on rapid developments in the fabrication and understanding of novel materials that allow operation at room temperature, and the potential device concepts that they enable. During the workshop, we will address all key trends in the field and discuss possible collaborative projects.

## Topics include:

- ▶ Two-dimensional materials
- ▶ Strong light-matter coupling
- ▶ Exciton-polaritons in artificial periodic potentials
- ▶ Hybrid Bose-Fermi systems
- ▶ Polariton devices
- ▶ Polariton-based networks



To apply for participation in the Workshop, complete the online application form by **March 1, 2020**.

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

For further information, see [pcs.ibs.re.kr](http://pcs.ibs.re.kr) or contact the PCS Visitor Program at [pcs@ibs.re.kr](mailto:pcs@ibs.re.kr)

## Venue:

- ▶ Institute for Basic Science (IBS) +82-42-878-8633  
Expo-ro 55, Yuseong-gu, Daejeon 34126, South Korea

## Invited Speakers

Alberto Amo (France)  
Dario Ballarini (Italy)  
Zhanghai Chen (China)  
Chang Hee Cho (Korea)  
Hyoungsoon Choi (Korea)  
Suk Bum Chung (Korea)  
Hui Deng (USA)  
Su-Hyun Gong (Korea)  
Jun Seok Heo (Korea)  
Myung Kee Kim (Korea)  
Vadim Kovalev (Russia)  
Fabrice Laussy (UK)  
Han Suk Lee (Korea)  
Hyun Seok Lee (Korea)  
Hyang-Tag Lim (Korea)  
Michał Matuszewski (Poland)  
Yoo Sin Noh (Korea)  
Min Kyo Seo (Korea)  
Ivan Shelykh (Iceland)  
Marzena Szymanska (UK)  
Qihua Xiong (Singapore)

## Scientific Coordinators

Yong-Hoon Cho (Korea)  
Timothy Liew (Singapore)  
Ivan Savenko (Korea)

## Organizers

Gileun Lee (Korea)  
Jaehee Kwon (Korea)

*Coordinator:* Dominika Konikowska (Korea)