

META-OPTICS AND METAMATERIALS

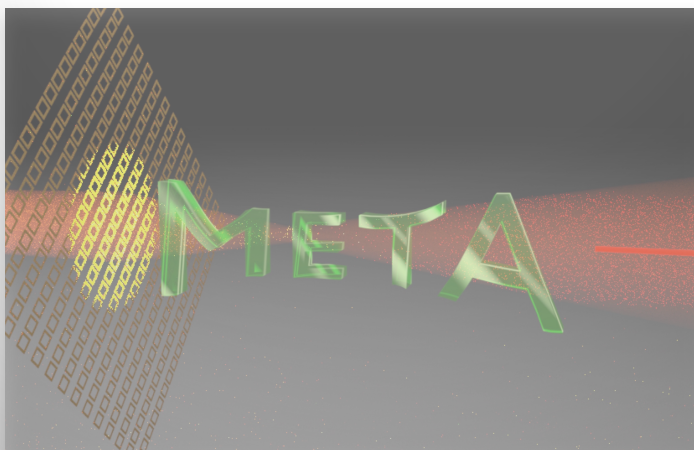
INTERNATIONAL WORKSHOP

Apr. 23 - 27, 2018

An important objective of the Workshop is to incorporate recent new developments in physics of metasurfaces, plasmonics, and resonant dielectric structures with quantum and nonlinear optics to facilitate new discoveries. This meeting will bring together the leading researchers from different areas of metamaterial physics and nanoscale science to explore the confluence of subwavelength photonics, metamaterials, quantum physics, the emerging physics of two-dimensional materials, and nonlinear nanophotonics. Whilst a number of breakthroughs can be already anticipated, one of the primary objectives of the meeting is to catalyze the creation of exciting new areas of research in this direction. This Workshop will be focused on the study of new fundamental properties of light in subwavelength structured photonic systems.

Topics include:

- ▶ Nanophotonics
- ▶ All-dielectric resonant structures
- ▶ Metasurfaces
- ▶ Nonlinear effects with meta-optics
- ▶ Metadevices
- ▶ Novel physics incl. topological photonics
- ▶ Quantum effects with metamaterials



To apply for participation in the Workshop, complete the online application form by January 31, 2018.

Workshop registration fee: 50,000 KRW (for all participants). Accommodation costs and meals will be covered by PCS IBS. Limited funding is available to partially cover travel expenses.

For further information, please contact:

Ms. Gileun Lee — pcs@ibs.re.kr

Visitors Program, PCS IBS, Daejeon, Korea

Invited Speakers

Andrea Alù (USA)
Tie Jun Cui (China)
Daeshig Ghim (Korea)
Young Chul Jun (Korea)
Myung-Ki Kim (Korea)
Zee Hwan Kim (Korea)
Seungwoo Lee (Korea)
Guixin Li (China)
Mikyoung Lim (Korea)
Olivier Martin (Switzerland)
Jwa-Min Nam (Korea)
Nicolae Panoiu (UK)
Chengwei Qiu (Singapore)
Junsuk Rho (Korea)
Jung-Wan Ryu (Korea)
Jonathan Schuller (USA)
Lei Zhou (China)

Scientific Coordinators

Yuri Kivshar (Australia)
Q-Han Park (Korea)
Hak Joo Lee (Korea)

Local committee: Jihun Kang (Korea)
Bumki Min (Korea)

Organizers

Gileun Lee (Korea)
Heeyun Lee (Korea)

Coordinator: Dominika Konikowska (Korea)