

Speakers

Boris Altshuler (Columbia U., USA)
Yunhyu Bang (Chonnam Nat'l U., Korea)
David Campbell (Boston U., USA)
Byungnam Kahng (Seoul Nat'l U., Korea)
Naoto Nagaosa (RIKEN CEMS, Japan)
Antonio Politi (U. of Aberdeen, UK)
Jan-Michael Rost (MPI-PKS, Germany)
Moti Segev (Technion, Israel)

Venue

PCS IBS, KAIST Munji Campus, Faculty Wing 4th floor
9:55 am – 6 pm
Daejeon, Korea

Topics

superconductivity
light-matter interaction
topological photonics
quantum transport
many body localization
non-equilibrium dynamics
non-linear dynamics
chaos

Participation

RSVP by Dec. 6
pcs@ibs.re.kr
<http://pcs.ibs.re.kr>

2nd PCS Symposium

Physics of Complex Systems

December 12 & 20, 2017

Program

Tuesday, December 12

- 09:55 – 10:00 Sergej Flach, PCS IBS
Opening address & Introduction of IBS
- 10:00 – 11:00 Antonio Politi, University of Aberdeen, UK
Coupled transport in chains of nonlinear oscillators
- 11:00 – 11:30 Coffee break & Discussions
- 11:30 – 12:30 Naoto Nagaosa, RIKEN CEMS, Japan
Nonreciprocal responses in solids
- 12:30 – 14:00 Lunch break & Discussions
- 14:00 – 15:00 David Campbell, Boston University, USA
*Fold, staple, and mutilate:
kirigami for 2D electronic materials*
- 16:00 – 16:30 Coffee break & Discussions
- 15:00 – 16:00 Jan-Michael Rost, MPI—PKS, Germany
Photo electron cutoff in dense media
- 16:30 – 18:00 Discussions
- 18:00 – 20:00 Welcome reception & Discussions

Wednesday, December 20

- 09:55 – 10:00 Sergej Flach, PCS IBS
Introduction of PCS' scientific profile
- 10:00 – 11:00 Boris Altshuler, Columbia University, USA
Many-body localization of a quantum computer
- 11:00 – 11:30 Coffee break & Discussions
- 11:30 – 12:30 Yunkyung Bang, Chonnam National University, Korea
Dynamical tuning of pairing cutoff: Pairing mechanism of the FeSe-monolayer and related systems
- 12:30 – 14:00 Lunch break & Discussions
- 14:00 – 15:00 Byungnam Kahng, Seoul National University, Korea
TBA
- 15:00 – 16:30 Discussions
- 16:30 – 17:00 Coffee break & Discussions
- 17:00 – 18:00 Moti Segev, Technion, Israel
IBS Colloquium
Topological Photonics and Topological Insulator Lasers
- 18:00 – 20:00 Symposium banquet & Discussions