International Max Planck Research School for Condensed Matter Science

Workshop Stuttgart, Germany

Frontiers of Quantum Materials

July 1st – 3rd, 2019

トポロジーが紡ぐ
物質科学の
フロンティア

Speakers

Christian Ast
MPI for Solid State Research
Eva Benckiser
MPI for Solid State Research
Christian Carbogno
Fritz-Haber-Institut
Andrea Cavalleri
MPI for the Structure and Dynamics of Matter
Maria Daghofer
University of Stuttgart
Jun Fujioka
University of Tsukuba
Toshimasa Fujisawa
Tokyo Institute of Technology
Wei Han
Peking University
Qinglin He
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Bernhard Keimer
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Klaus Kern
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Yuan Li
Peking University
Xiong-Jun Liu
Peking University
Sebastian Loth
University of Stuttgart
Walter Metzner
MPI for Solid State Research
Roderich Moessner
MPI for the Physics of Complex Systems
Qian Niu
The University of Texas at Austin
Stuart Parkin
MPI of Microstructure Physics
Yingying Peng
Peking University
Junren Shi
Peking University
Ryuichi Shindou
Peking University
Jurgen Smet
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Hidenori Takagi
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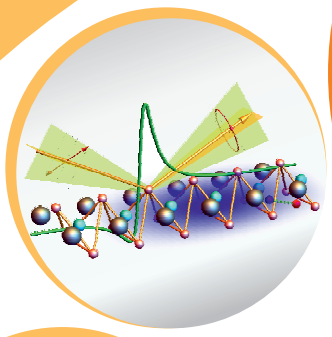
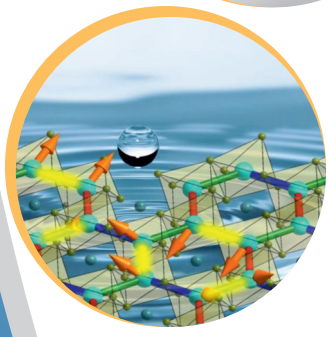
Jian Wang
Peking University
Fa Wang
Peking University
Nanlin Wang
Peking University
Xincheng Xie
Peking University
Yan Zhang
Peking University

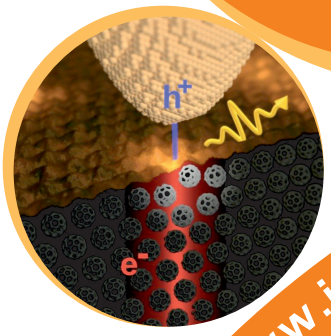
- Spectroscopy
- Non-equilibrium phenomena
- Low-dimensional materials
- Many-body theory
- Quantum transport
- Novel materials
- Spin liquids

Scope

In *quantum materials*, the collective behavior of strongly interacting electrons generates a wide range of spectacular physical properties including high-temperature superconductivity and the quantum Hall effect. Understanding this behavior is the key for the creation of a new generation of materials and devices. This workshop will bring together scientists working at the frontier of research on quantum materials at Peking University, in the TMS program in Japan, at several Max Planck Institutes, and at the University of Stuttgart.







www.imprs-cms.mpg.de

Registration only via email
contact@imprs-cms.mpg.de

For poster contributions please register before **June 19, 2019**

Werner Köster Lecture Hall 2R4

Location

Max Planck Institute for Solid State Research
Heisenbergstraße 1
70569 Stuttgart
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MAX PLANCK GRADUATE CENTER FOR QUANTUM MATERIALS