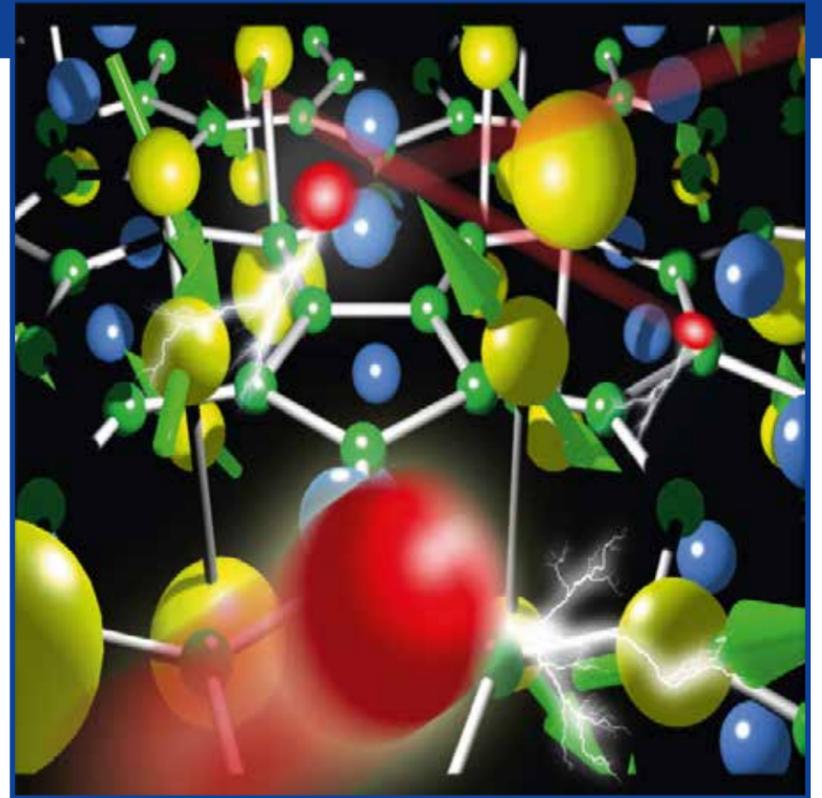




Frustration, Orbital Fluctuations, and Topology in Kondo Lattices and their Relatives

International Seminar & Workshop 16 July - 3 August 2018 (Workshop week: 23 - 27 July 2018)

In recent years, the study of strongly correlated electron systems has been enriched by the addition of new ingredients such as multipolar physics from orbital fluctuations, magnetic frustration, and spin-orbit coupling. This program will bring together scientists exploring the new states of matter and phenomenology that emerge in these systems, to share expertise and fertilize new research directions.



Dr. T. Tomita, The University of Tokio

Topics

- Topological spin liquids
- Kitaev physics
- Itinerant frustration
- Quadrupolar Kondo lattices
- Topological Kondo insulators
- Correlated Weyl metals
- Kondo semimetals
- Metal-insulator transitions

Invited speakers

**to be confirmed*

Hiroshi Amitsuka (JP)
Natan Andrei (US)
Dai Aoki (JP)
Ryotaro Arita (JP)
Cristian Batista (US)
Stephen Blundell (GB)
Collin Broholm (US)
Silke Bühler-Paschen (AT)
Claudio Castelnovo (GB)
Amalia Coldea (GB)
Piers Coleman (US)
Victor Galitski (US)
Philipp Gegenwart (DE)
Hisatomo Harima (JP)
Zenji Hiroi (JP)*
Johannes Knolle (GB)
Hiroaki Kusunose (JP)
SungBin Lee (KR)
Andy Mackenzie (DE)
Yukitoshi Motome (US)
David Mross (IL)
Andriy Nevidommsky (US)

Masaki Oshikawa (JP)
Akito Sakai (JP)
Suchitra Sebastian (GB)
Qimiao Si (US)
Todadri Senthil (US)
Takahiro Tomita (JP)
Hirokazu Tsunetsugu (JP)
Matthias Vojta (DE)
Hilbert von Löhneysen (DE)
Jing Xia (US)*

Scientific coordinators

Inti Sodemann
Dresden, DE
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Oxford, GB
Satoru Nakatsuji
Tokio, JP
David Logan
Oxford, GB

Organisation

Maria de Haas
MPIPKS Dresden

Applications received before 16 April 2018 are considered preferentially.

Applications are welcome and should be made by using the application form on the event's web page. The number of attendees is limited. The registration fee for the international seminar and workshop is 120 Euro and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute. Limited funding is available to partially cover travel expenses.

For further information please contact:

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