



MAX-PLANCK-GESELLSCHAFT

Topological Matter out of Equilibrium

International Focus Workshop 27 - 29 March 2014

Much of the work on non-equilibrium statistical mechanics has relied on the notion of a local order parameter, absent in topological phases. Conversely, studies of topological phenomena have focused on equilibrium and ground-state properties. The intersection of these fields remains largely uncharted territory.



image courtesy of Johan J. Ingles-Le Nobel

<http://extreme-macro.co.uk/>

Workshop aim

This workshop brings together theorists from both groups, as well as experimentalists studying dynamical phenomena in a variety of systems, covering topics such as topological phenomena in driven systems, hydrodynamic descriptions of phases with emergent gauge fields, ultrafast and inelastic spectral probes of quantum matter, the development of numerical methods, and finally potential experiments in the solid state and ultracold atomic gases.

Invited participants: (* to be confirmed)

Ehud Altman (IL)
B. Andrei Bernevig* (US)
Collin L. Broholm (US)
Claudio Castelnovo (GB)
Anushya Chandran (CA)
Balázs Dóra (HU)
Benoît Douçot (FR)
Bruce D. Gaulin (CA)
Nuh Gedik* (US)
Sarang Gopalakrishnan* (US)
Sean Hartnoll (US)
Peter Holdsworth (FR)
Dmitry Kovrizhin (GB)
Ian McCulloch* (AU)
Vadim Oganesyan* (US)
Joe Orenstein* (US)
Arun Paramekanti (CA)
David Pekker* (US)
Christian Pfleiderer (DE)

Scientific coordinators:

Roderich Moessner
MPIPKS Dresden
Sid Parameswaran
UC Berkeley/UC Irvine

Organisation:

Claudia Pönisch
MPIPKS Dresden

Please apply by January 26, 2014 for full consideration.

Applications are welcome and should be made by using the application form on the conference web page (please see URL below). The number of attendees is limited. The registration fee for the international 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. Please note that childcare is available upon request.

For further information please contact:

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