

Conference on Signatures of Topology in Condensed Matter



21 - 25 October 2019
Trieste, Italy

Further information:
<http://indico.ictp.it/event/8727/>
smr3330@ictp.it

This conference will focus on the observable signatures of topology in electronic, photonic, phononic, and atomic systems, with participation by leading theorists and experimentalists. The conference will offer an excellent opportunity for cross-fertilisation of ideas and an exciting learning experience for early career researchers.

Extended Topics:

- Topological insulators and superconductors
- Dirac and Weyl semimetals
- Time-dependent and non-equilibrium topological systems
- Photonic systems
- Cold atoms
- Phononic systems
- Electronic-structure and ab-initio calculations
- Transport properties of topological systems
- Experimental detection of topological properties
- Physics of unconventional surface states
- Interaction and disorder effects in topological systems
- Hetero- and hybrid-structures
- Electrodynamics in topological materials
- Quantum-field-theory approaches
- Applications and devices

Directors:

M. GOVERNALE
Victoria University of Wellington, New Zealand
M. S. FUHRER
Monash University, Australia
F. TADDEI
NEST NANO-CNR, Pisa, Italy

Local Organizer:

M. DALMONTE, ICTP

Speakers:

A. ALTLAND, University of Cologne, Germany
P. ARMITAGE, Johns Hopkins University, USA
L. ARRACHEA, Universidad NSM, Buenos Aires, Argentina
C. W. J. BEENAKKER, Leiden University, The Netherlands
A. BURKOV, University of Waterloo, Canada
F. BURNELL, University of Minnesota, USA (to be confirmed)
R. CLAESSEN, University of Würzburg, Germany
D. COBDEN, University of Washington, USA
D. CULCER, University of New South Wales, Australia
K. FLENSBERG, University of Copenhagen, Denmark
M. FRANZ, University of British Columbia, Canada
F. GIAZOTTO, NEST NANO-CNR, Pisa, Italy
M. KAWASAKI, University of Tokyo, Japan
D. LOSS, University of Basel, Switzerland
A. H. MACDONALD, The University of Texas at Austin, USA
L. MOLENKAMP, University of Würzburg, Germany
J. MOODERA, MIT, Cambridge, USA
C. MORAIS SMITH, Utrecht University, The Netherlands
S.-Q. SHEN, University of Hong Kong
H. TAKAGI, MPI for Solid State Research, Stuttgart, Germany
K. VON BERGMANN, Hamburg University, Germany
S. A. YANG, Singapore University of Technology and Design
A. YAZDANI, Princeton University, USA
U. ZUELICKE, Victoria University of Wellington, New Zealand

How to apply:

Online application:
<http://indico.ictp.it/event/8727/>

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Deadline:

1 July 2019



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