

Conference on Weyl Fermions in Materials



23 - 27 October 2017
Trieste, Italy

Further information:

Activity URL: <http://indico.ictp.it/event/8000/>

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The aim of this conference is to bring together the main experts in the field of Weyl-semimetal physics. It will be a venue to discuss the most recent developments, both from the theoretical and experimental viewpoints, and at the same time it will provide a comprehensive overview to scientists who wish to enter this field.

Topics:

- Electronic-structure and ab-initio calculations
- Material realisations
- Transport properties of chiral systems
- Experimental detection of Weyl quasiparticles
- Physics of unconventional surface states
- Interaction and disorder effects in topological systems
- Hetero- and hybrid-structures
- Electrodynamics in Weyl materials
- Quantum-field-theory approaches
- Applications and devices
- Beyond Dirac and Weyl fermions

Directors:

M. GOVERNALE, Victoria University of Wellington, New Zealand

F. TADDEI, NEST NANO-CNR, Pisa, Italy

Local Organizer:

M. KISELEV, ICTP, Trieste, Italy

Invited Speakers:

D. BAGRETS, University of Cologne, Germany
C. BEENAKKER, Leiden University, the Netherlands
A. BURKOV, University of Waterloo, Canada
C.-K. CHAN, University of California, Los Angeles, USA
S. DAS SARMA*, University of Maryland, USA
H. DING, Chinese Academy of Sciences, China
M. S. FUHRER, Monash University, Melbourne, Australia
M. Z. HASAN, Princeton University, USA
D. PESIN, University of Utah, USA
M. POLINI, IIT, Genova, Italy
L. SMEJKAL, University of Mainz, Germany
B. SPIVAK, University of Washington, USA
A. STERN, Weizmann Institute, Israel
M. G. VERGNIORY, Donostia Int. Physics Center, Spain
A. VISHWANATH, Harvard University, USA
H. WENG, Chinese Academy of Sciences, China
F. ZHANG, University of Texas at Dallas, USA

* to be confirmed

How to apply:

Online application:
<http://indico.ictp.it/event/8000/>

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 2017



The Abdus Salam
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for Theoretical Physics

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