

Conference on Advances in Topological Condensed Matter

Description:

This conference will focus on the latest advances in the investigation of topology in condensed matter, with participation by leading theorists and experimentalists, offering an excellent opportunity for cross-fertilisation of ideas and an exciting learning experience for students and early career researchers.

TOPICS:

- Topological insulators and superconductors
- Dirac and Weyl semimetals
- Time-dependent and non-equilibrium topological systems
- 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

SPEAKERS:

A. AKHMEROV
Delft university of Technology, The Netherlands

J. ALICEA
California Institute of Technology, USA

C.W.J. BEENAKKER
Leiden University, The Netherlands

A. BLACK-SCHAFFER
Uppsala University, Sweden

R. CITRO
Università degli Studi di Salerno, Italy

***D. COBDEN**
University of Washington, USA

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Massachusetts Institute of Technology, USA

Y. GEFEN
Weizmann Institute of Science, Israel

E. HANKIEWICZ
University of Würzburg, Germany

S.A. JAFARI
Aachen University, Germany

J. KLINOVAJA
University of Basel, Switzerland

C.N. LAU
The Ohio State University, USA

S. LAW
Pennsylvania State University, USA

***A. LEVY YEYATI**

Universidad Autónoma de Madrid, Spain

S. LUPI
Sapienza University of Rome, Italy

D. MEIRAN
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Utrecht University, The Netherlands

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University of Maryland, USA

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CSIC, Madrid, Spain

S. RACHEL
University of Melbourne, Australia

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Victoria University of Wellington, New Zealand

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Weizmann Institute of Science, Israel

F. VON OPPEN
Freie Universität Berlin, Germany

A. YOUNG
UC Santa Barbara, USA

***S. ZHOU**
Tsinghua University, China

Note: **To be confirmed*



11 - 15 November 2024



Trieste, Italy



Applications and deadline:

10 July 2024

For those asking for financial and/or VISA support

1 September 2024

For those not asking for support

DIRECTORS:

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LOCAL ORGANISER:

R. FAZIO, ICTP, Italy

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.

FURTHER INFORMATION:



E-mail: smr3980@ictp.it

Web: <https://indico.ictp.it/event/10518/>

Female scientists are encouraged to apply.

