

Conference on Nanophononics, Bridging Statistical Physics, Molecular Modeling and Experiments



24 - 28 June 2019
Trieste, Italy

Further information:
<http://indico.ictp.it/event/8693/>
smr3302@ictp.it

To achieve the overarching goal of efficient nanoscale heat management, synergistic multidisciplinary collaborations are required, bridging statistical physics, nonlinear dynamics, molecular modeling, materials science, mechanical engineering, nanodevice fabrication and experiments. The purpose of this conference is to bring together researchers with these different backgrounds to discuss the most recent developments in the field of nanophononics.

Topics:

- Heat transport in nonlinear systems
- Phononic devices
- Thermal radiation: rectification and amplification
- Heat conduction and phase change systems
- Thermal cloaking at the nanoscale

How to apply:

Online application:
<http://indico.ictp.it/event/8693/>

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.

Directors:

S. M. VAEZ ALLAEI, University of Tehran, Iran
D. DONADIO, University of California Davis, U.S.A.
G. BENENTI, University of Insubria, Como, Italy

Local Organizers:

M. KISELEV, ICTP

Speakers:

S. BARONI, SISSA, Trieste, Italy
O. BOURGEOIS, Institut Néel, Grenoble, France
G. CASATI, University of Insubria, Como, Italy
C.-W. CHANG, National Taiwan University
L. COLOMBO, University of Cagliari, Italy
K. ESFARJANI, University of Virginia, U.S.A.
Z. FAN, Aalto University, Finland
V. GIORDANO, Univ. Lyon, France
A. HENRY, Georgia Tech, U.S.A.
S. LEPRI, CNR, Italy
S. MERABIA, ILM Lyon, France
M. NOMURA, University of Tokyo, Japan
J. ORDONEZ-MIRANDA, CNRS, France
L. F. PEREIRA, Univ. Fed. do Rio Grande do Norte, Brazil
R. RURALI, Mat. Science Institute, Barcelona, Spain
K. SAITO, Keio University, Yokohama, Japan
L. SHI, University of Texas, Austin, U.S.A.
S. VOLZ, CNRS - University of Tokyo, Japan
I. SAVIC, Tyndall National Institute, Cork, Ireland
C. SEVIK, Eskisehir Technical University, Turkey
C. SOTOMAYOR TORRES, ICN2, Barcelona, Spain
E. WEIG, University of Constance, Germany
I. ZARDO, Univ. Basel, Switzerland

Deadline:

25 March 2019



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