



Phononics

2023

6th INTERNATIONAL CONFERENCE ON PHONONIC CRYSTALS/METAMATERIALS/
METASURFACES, PHONON TRANSPORT, AND TOPOLOGICAL PHONONICS

June 12 - 16, 2023 – Manchester, England

The study of phonons—a core discipline in the conventional condensed matter physics literature—is currently being viewed in a new light. With a focus on both elucidation and manipulation of phonons across multiple scales, the emerging field of phononics has been vigorously gathering pace in recent years. In 2011, Phononics 2011 was launched as a prime international conference for the field to take place on a biannual basis. Phononics 2023, the sixth in the series, welcomes scientists and engineers from across disciplines and from across the world.

Themes

- Phononic Crystals (1)
- Acoustic/Elastic Metamaterials (2)
- Acoustic/Elastic Metasurfaces (3)
- Temporally Modulated Phononic Materials (4)
- Topological Acoustics and Phononics (5)
- Nonlinear Phononics (6)
- Thermal Phonons (7)
- Applied Phononics (8)

Timeline

- 17 March, 2023: Abstract deadline
- 7 April, 2023: Notification of acceptance
- 14 April, 2023: Early bird registration deadline
- 12-16 June, 2023: Technical program

Conference Chairs

Professor William J. Parnell (Chair)
University of Manchester, UK

Dr. Olga Umnova (Co-chair)
University of Salford, UK

Professor Richard V. Craster (Co-chair)
Imperial College London, UK

International Organizing Committee (IOC)

Prof. Bernard Bonello, Sorbonne Université (France)
Prof. Pierre A. Deymier, University of Arizona, Tucson (USA)
Prof. Bahram Djafari-Rouhani, Université Lille 1 (France)
Prof. Ihab El-Kady, Sandia National Laboratories (USA)
Prof. Mahmoud I. Hussein, University of Colorado Boulder (USA)
Prof. Abdelkrim Khelif, CNRS (France)

Prof. Baowen Li, CU Boulder (USA) and Southern UST, Shenzhen (China)
Dr. Charles M. Reinke, Sandia National Laboratories (USA)
Prof. José Sánchez-Dehesa, Univ. Politécnica de Valencia (Spain)
Prof. Clivia M.S. Torres, Catalan Inst. of Nanoscience & Nanotech. (Spain)
Prof. Ying Wu, King Abdullah Univ. of Science and Tech. (Saudi Arabia)



www.phononics2023.org

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