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 2019, the fifth in the series, welcomes scientists and engineers from across disciplines and from across the world.

**Themes**

- Phononic Crystal (PnC) Design and Fabrication (1)
- Acoustic Metamaterial (AM) Design and Fabrication (2)
- Applications of PnC and AM (3)
- Temporally Modulated PnC and AM (4)
- Topological Acoustics and Phononics (5)
- Geophononics (6)
- Nonlinear PnC and AM (7)
- Thermal Phonons (8)
- Optomechanics and Phonon Coupling (9)
- PnC and AM in Biology (10)

**Timeline**

- 1 Mar, 2019: Abstract deadline
- 15 Mar, 2019: Notification of acceptance
- 31 Mar, 2019: Early bird registration deadline
- 3-7 Jun, 2019: Technical program

**Conference Chairs**

- **Professor Pierre A. Deymier**
  University of Arizona, Tucson
- **Professor Katia Bertoldi**
  Harvard University
- **Professor Nicholas Boechler**
  University of California, San Diego

**International Organizing Committee (IOC)**

- **Prof. Bernard Bonello**, Université Pierre et Marie Curie (France)
- **Prof. Che Ting Chan**, Hong Kong Univ. of Science and Tech.
- **Prof. Bahram Djafari-Rouhani**, Université Lille 1 (France)
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**Sponsorship**

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