



June 4 – 9, 2017

Changsha, China

EMPARK Hotel

<http://phononics.2017.org>

## 4<sup>th</sup> INTERNATIONAL CONFERENCE ON PHONONIC CRYSTALS/METAMATERIALS, PHONON TRANSPORT/COUPLING AND TOPOLOGICAL PHONONICS

The study of phonons—a core discipline in conventional condensed matter physics—continues to grow with momentum and fresh new perspectives. With a focus on both the understanding and control of phonons across multiple scales, “phononics” has emerged as a new field that is impacting a variety of traditional disciplines including mechanics, acoustics, heat transfer, and others. In 2011, Phononics 2011 was launched in New Mexico, USA, as the prime international conference for the field to take place on a biannual basis. After continuing success at Phononics 2013 in Sharm El-Sheikh, Egypt, and Phononics 2015 in Paris, France, Phononics 2017—the fourth in the series—welcomes scientists and engineers from across disciplines, and from across the world, in the historical city of Changsha, China.

### Themes

Phononic crystals	Nanoscale thermal transport
Phononic metamaterials	Phonon coupling and optomechanics
Wave propagation in periodic structures	Phononic topological insulators

### Timeline

1 Feb, 2017:	Abstract deadline
1 Mar, 2017:	Notification of acceptance
4 Jun, 2017:	On-site registration and reception

### Honorable Chair

Ping Sheng

Hong Kong University of Science and Technology

### Conference Chairs

Jihong Wen

National University of Defense Technology

Baowen Li

University of Colorado, Boulder/Tongji University

### International Organizing Committee

Bernard Bonello, Univ. Pierre et Marie Curie and CNRS

Che Ting Chan, Hong Kong Univ. of Science and Tech

Pierre Deymier, University of Arizona, Tucson

Bahram Djafari-Rouhani, Université Lille 1

Ihab F. El-Kady, Sandia National Laboratories

Mahmoud I. Hussein, University of Colorado, Boulder

Abdelkrim Khelif, FEMTO-ST and CNRS

José Sánchez-Dehesa, Univ. Politécnica de Valencia

Tsong-Tsong Wu, National Taiwan University

### Local Organizing Committee

Dianlong Yu, NUDT (China)

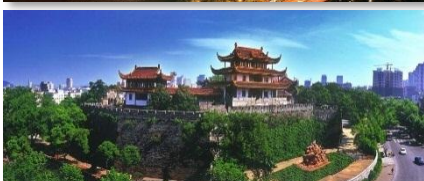
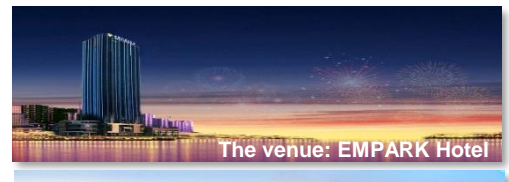
Jianfei Yin, NUDT (China)

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