Acoustics, Vibration, and Phononics
Submit an abstract by March 16, 2020

Acoustics, Vibration, and Phononics is organized by the Noise Control and Acoustics Division (NCAD) of the ASME. The Track contains a collection of Topics in the broad areas of acoustics, mechanical vibrations, and phononic metamaterials which are individually organized by leading researchers in the field. The Topics give a comprehensive coverage of experimental, computational, and analytical approaches employed to study problems of contemporary interest and importance in engineering acoustics, vibrations, and wave propagation. Contributions in the form of technical papers as well as oral presentation are sought in the individual Topics.

- Topic 1-1: Phononic Crystals and Metamaterials
- Topic 1-2: General
- Topic 1-3: Passive, Semi-Active, and Active Noise and Vibration Control
- Topic 1-4: Analytical and Computational Acoustics and Vibrations
- Topic 1-5: Structural-Acoustic System Identification
- Topic 1-6: Noise, Vibration and Harshness in Automotive Systems
- Topic 1-7: Human Perception of Acoustics
- Topic 1-8: Vibration and Acoustic Measurements, Signal Processing, and Test Facilities
- Topic 1-9: Aero-acoustics and Sound Propagation
- Topic 1-10: Flow Induced Noise and Vibration
- Topic 1-11: Turbomachinery Noise
- Topic 1-12: Congress-Wide Symposium on NDE & SHM: Ultrasonic Waves for Material Characterization and Damage Assessment
- Topic 1-13: Congress-Wide Symposium on NDE & SHM: Computational Nondestructive Evaluation and Structural Health Monitoring
- Topic 1-14: Wave Propagation in Heterogenous and Architectured Media
- Topic 1-15: Dynamics of Adaptive Engineering Structures and Materials

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