

Planned NOISE-CON 2027 Technical Sessions

INCE-USA is calling for abstracts for NOISE-CON 2027. There will be both traditional NOISE-CON sessions and sessions held jointly with SAE. All NC27 attendees can make presentations at or attend all joint sessions at no additional cost. The joint sessions have the earliest abstract submission deadline: October 5. The proposed joint sessions are:

- Aerodynamic Noise Prediction and Validation
- Hybrid/Electric and Electric Vehicles – Test Facilities and Consequences of Minimum Sound Regulatory Requirements
- Active Sound and Vibration Enhancement / Cancellation Methods and Applications
- Aviation Noise (Airport/Community)
- Tire Noise
- Historical Perspectives – Learning Through Challenging Experiences

Abstract submission for regular NOISE-CON sessions opens on October 13 and closes on December 24.

Data Center Noise

This conference will place special emphasis on data center noise, a topic of rapidly growing importance. There will be an introductory round table discussion of data center noise to introduce the noise sources and describe the challenges involved in data center noise. Three technical sessions on data center noise are planned:

1. Data center noise measurement
2. Data center noise mitigation
3. Data center noise policy

Building Acoustics

- Architectural Noise and Vibration Control
- Taming the Beast: HVAC and Building System Noise and Vibration Control
- Building Acoustics Measurements and Modeling
- New Applications or Adaptations of Acoustical Codes & Standards
- Healthcare Noise and Vibration
- Factors Affecting Acoustic Measurements
- Historic Building Renovation

Transportation Noise

- Highway Noise Sources and Measurement
- Highway Traffic Noise Analysis and Abatement
- TNM Validation and Workshop
- Rail and Transit Noise and Vibration
- Maritime Noise: Shipboard and Underwater
- Landmark Papers in Transportation Noise

Community and Environmental Noise

- Renewable Energy and Battery Storage Noise
- Low-Frequency Sound and Infrasound
- Recreational, Entertainment, and Pickleball Noise
- Community Noise Modeling and Large Data Sets

Industrial Noise

- Industrial Noise (including mufflers and silencers)

Occupational Noise and Hearing Loss

- Hearing Loss Prevention and Worker Communication
- Occupational Noise Exposure Assessment and Standards

Structural Acoustics

- Structural Acoustics and Vibration
- Eric Ungar Memorial Session: Landmark Contributions from a Storied Career

Acoustic Materials

- Acoustic Materials and Metamaterials

Product Noise Emission

- Product Noise Emission and Long-Term Trends

Classic Papers

- Classic Papers (student paper competition)

Information Technology Equipment

- Information Technology Equipment Noise

Panels and Workshops (no abstracts)

- Workshop: Membership Feedback to Standards Groups
- Workshop: AI Applications and Practices in the Built Environment
- Workshop: Highway Noise Case Studies – State DOTs
- Panel Discussion: Ethics
- Panel Discussion: Community Engagement and Expert Witness
- Info Session: Standards