

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:

- Lightweight Vehicle Construction Acoustic Design
- 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
- Signal Processing

To submit a joint session abstract, click here: <https://www.sae.org/events/noise-vibration-conference-exhibition/calls-presentations>

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 & Vibration Control
- HVAC and Building System N&V Control
- Building Acoustics Measurement and Modeling
- New Applications or Adaptations of Acoustics Codes & Standards

- Healthcare Noise & Vibration
- Factors Affecting Acoustic Measurements / Measurement Uncertainty
- Historic Building Renovation

Structural Acoustics

- Structural Acoustics – Floor Vibration
- Eric Ungar Memorial Session on His Work
- Structural Acoustics – Industrial Noise

Occupational Noise / Hearing Loss

- Occupational Noise-Induced Hearing Loss Prevention
- Noise Exposure Assessment & Implications of Noise Standards
- Demonstrating Occupational Hearing Loss to Workers
- Industrial / Occupational / Community Noise Exposure

Transportation Noise

- Highway Noise & Noise Sources
- TNM Validation and TNM Workshop
- Rail Noise & Vibration
- Classic Papers on Transportation Noise
- Aircraft Noise
- Maritime Noise
- RV / ATV / Snowmobile Noise
- Entertainment / Recreation Noise
- Transit / Highway Conflicts

Community Noise / Renewable Energy Noise

- Low Frequency Sound / Infrasound
- Ethics Panel Discussion
- Renewable Energy & Battery Energy Storage Systems
- Compiling and Using Large Data Sets
- Modeling & Materials
- Pickleball Noise & Community Noise

Acoustic Materials

- Metamaterials
- Aeroacoustics

- Classic Papers on Materials
- Education in Acoustics

Product Noise Emission

- General Product Noise
- Product Noise Level Changes Over the Last Decade
- Industrial Noise
- Mufflers & Silencers