

Inter-Noise 2023 Technical Sessions

Area	Session
01. Flow-induced Noise & Vibration	01.0 Flow-induced Noise & Vibration: General
	01.1 Computational Methods in Flow-induced Noise & Vibration
	01.2 Experiments in Flow-induced Noise & Vibration
	01.3 Rotor & Turbomachinery Noise
02. Vibro-acoustics	02.0 Vibro-acoustics: General
	02.1 Numerical Methods in Vibro-acoustics
	02.2 Vibro-acoustics Experiments
	02.3 Application of Vibro-acoustics Methods to Noise Control
03. Signal Processing & Measurements	03.0 Signal Processing & Measurements: General
	03.1 Microphone Array Techniques
	03.2 Spatial Capture & Reproduction
	03.3 Measurement Instrumentation
	03.4 Measurement Standard
	03.5 Infrasound Measurement
04. Modeling & Numerical Simulation	04.0 Modeling & Numerical Simulation: General
	04.1 Room Acoustics Modeling & Simulation
	04.2 Vibration Analysis
	04.3 Numerical Techniques in Acoustics & Vibration
	04.4 Sound Source Modeling
	04.5 Sound Propagation Modeling & Simulation
05. Active Control of Sound & Vibration	05.0 Active Control of Sound & Vibration: General
	05.1 Active & Passive Noise Control
	05.2 Advanced & Intelligent ANC
	05.3 Signal Processing & Algorithms for ANC
	05.4 New Applications of Active Control
	05.5 ANC for Home & Office
06. Transportation Noise & Vibration	06.0 Transportation Noise & Vibration: General
	06.1 Railway Vehicle Acoustics
	06.2 Railway Noise: Progress in Modeling & Research
	06.3 Railway Noise: High-speed Train Noise
	06.4 Railway Noise Abatement & Monitoring
	06.5 Tire & Road Noise
	06.6 Noise Barriers & Mitigation Techniques
	06.7 Road Traffic Noise Calculation Methods
	06.8 Road Vibrations: Predictions, Measurements & Mitigation Measures
07. Aircraft Noise	07.0 Aircraft Noise: General
	07.1 Aircraft Interior Noise
	07.2 Aircraft Exterior Noise
	07.3 Airport Noise: General
	07.4 Airport Noise: Community Engagement
	07.5 Airport Noise: Modeling & Mapping
	07.6 Advanced Monitoring & Measurement
	07.7 Supersonic Aircraft Noise
	07.8 Urban Air Mobility Community Noise
08. Vehicle Noise & Vibration	08.0 Vehicle Noise & Vibration: General
	08.1 Aerodynamics & Flow-induced Vehicle Noise
	08.2 Pass-by Noise, Tire & Pavement
	08.3 Interior Noise & Sound Design
	08.4 Noise & Vibration of Electric, Hybrid & Alternative Powertrains
09. Industrial Noise	09.0 Industrial Noise: General
	09.1 Machinery, Manufacturing & Mining Noise
	09.2 Large Silencers
	09.3 Wind Turbine Noise

10. Underwater & Maritime Acoustics	10.0 Underwater & Maritime Acoustics: General
	10.1 Measurement & Control of Ship Noise
	10.2 Effect of Noise on Aquatic Animals
	10.3 Noise Exposure Criteria
11. Acoustic Materials	11.0 Acoustic Materials: General
	11.1 Porous Materials
	11.2 Acoustic Metamaterials
	11.3 Microperforated Materials
	11.4 Sound Absorbers & Diffusers
	11.5 Additive Manufacturing for Acoustic Applications
	11.6 Sound Absorption Measurements
	11.7 Sound Insulation Materials & Measurements
11.8 Sustainable Acoustic Materials	
12. Building & Architectural Acoustics	12.0 Building & Architectural Acoustics: General
	12.1 Requirements, Classification Schemes & Standards in Building Acoustics
	12.2 Impact & Structure-borne Sound in Buildings
	12.3 Ventilation-enabling Sound Insulation Devices
	12.4 Building System Noise & Vibration Control
	12.5 Sound Insulation Measurement & Prediction
	12.6 Sound Insulation of Wooden Buildings
	12.7 Acoustics of Education Spaces
	12.8 Acoustics of Workspaces
	12.9 Acoustics in Indoor Spaces
13. Environmental Noise	13.0 Environmental Noise: General
	13.1 Noise Mapping
	13.2 Smart Cities & Noise Monitoring
	13.3 Outdoor Noise Propagation
	13.4 Low-frequency Sound
	13.5 High-frequency & Ultrasonic Sound
	13.6 Natural Means for Environmental Noise Control
	13.7 Urban Sound Planning
	13.8 Auralization of Environmental Sound
14. Perception & Health	14.0 Perception & Health: General
	14.1 Community Response to Noise
	14.2 Noise & Health
	14.3 Psychoacoustics of Noise Evaluation & Universal Design
	14.4 Sound Quality Issues in Community Noise
	14.5 Physiological & Emotional Responses to Environment Sound
	14.6 Occupational Noise & Hearing Loss
	14.7 Response to Noise & Vibration
15. Sound Quality & Product Noise	15.0 Sound Quality & Product Noise: General
	15.1 Psychological & Physiological Evaluation of Product Noise
	15.2 Product Sound Quality
	15.3 Information Technology Equipment Noise
	15.4 Sound Design Based on Psychoacoustics
	15.5 Sound Design for Electric Vehicles
16. Soundscapes	16.0 Soundscapes: General
	16.1 Soundscape Evaluations: Towards the Development of Standards
	16.2 Outdoor Soundscape Planning & Design, and Urban Design
	16.3 Indoor Soundscape Planning & Design
	16.4 Soundscape Preservation
	16.5 Artificial Intelligence & Machine Learning on Soundscape
17. Noise Policy & Management	17.0 Noise Policy & Management: General
	17.1 Sell & Buy Quiet
18. Theme-related & Novel Approaches	18.1 Inclusive Design of Sound Environment
	18.2 Diversity of Local Noise Issues in the World
	18.3 Noise Control during/after the Pandemic Era