

ID - Session

- 01 A - Physical aspects for active control of noise and vibration
- 01 B - Applications of active control of noise and vibration
- 01 C - Metamaterials for active and passive acoustic control
- 01 D - Signal processing and systems for active control of noise and vibration
- 02 A - Microphone array methods in room acoustics
- 02 B - Acoustic and audiovisual source localization
- 02 C - Acoustic Scene Analysis: Fundamentals and Applications
- 02 D - Loudspeaker arrays and sound field control
- 02 E - Microphone array systems and methods
- 02 F - Perceptual aspects in spatial audio processing
- 02 G - Phase-Aware Time-Frequency Signal Processing
- 02 H - Machine learning for audio signal processing
- 02 W - General 'Audio signal processing (measurement, sensors, arrays)'
- 03 A - Acoustical Signal Processing in biological systems: Mathematical Methods and Algorithms
- 03 B - Evolution of the ear
- 03 D - Mechanisms of underwater hearing
- 03 W - General 'Animal Bioacoustics'
- 04 A - Prediction methods for sound insulations
- 04 B - Sound insulation in wooden construction
- 04 C - Acoustic regulations and quality classes for buildings
- 04 D - Structure-borne sources in buildings
- 04 F - Advanced measurement techniques in building acoustics
- 04 G - Low frequency sound and vibration in buildings
- 04 H - Insulating and absorbing materials made from renewables
- 04 K - Facade Sound Insulation
- 04 L - Evaluation of floor impact sound insulation
- 05 W - Education in Acoustics
- 06 A - Modern history of acoustics
- 06 B - Archeoacoustics
- 06 C - Philosophy in Acoustics
- 08 B - Policy and regulation for recreational noise / noise in buildings
- 08 D - Policy and regulation for noise in urban planning and urban soundscapes
- 08 E - Policy and regulation for noise and vibration in workplaces
- 08 H - EPA Network-IGNA: Progress report on the impact, technology and regulations to abate noise in Europe
- 08 K - European harmonized calculation model for environmental noise CNOSSOS
- 08 W - General 'Noise and vibration policy and assessment'
- 09.1 A - Measuring Annoyance: New approaches
- 09.1 B - Intervention studies
- 09.1 C - Perception of and responses to infrasound and low-frequency sound including wind turbines
- 09.1 F - Contribution of the number of events and other traffic conditions to annoyance
- 09.1 G - Response to transportation noise and vibration
- 09.2 A - Sleep
- 09.2 B - Cognitive effects
- 09.2 C - Cardiovascular effects
- 09.2 E - Noise and health in children
- 09.2 F - Implication WHO Guidelines
- 10 B - Design of warning sound - from honking impact to sound quality in electric vehicles
- 10 C - Design and control of the sound environment in a vehicle cabin
- 10 D - Road Traffic Noise Prediction Methods
- 10 E - TPA - Transfer Path Analysis
- 10 F - Railway noise
- 10 G - Aircraft noise
- 10 K - Tyre/road noise simulation

10 W - General 'Vehicle acoustics (air, road, rail, water, ...)'

11 A - Outdoor sound propagation (including urban sound propagation)

11 B - Wind turbine noise: Generation and propagation

11 C - Noise sensor networks

11 D - Advances in noise mapping engineering methods

11 E - Environmental sound auralisation

11 F - Natural means for noise abatement

12 A - Spatial audio: Reproduction techniques and signal processing

12 C - Speech processing for normal-hearing and hearing-impaired listeners

12 D - Measurement and modelling of electro-acoustic transducers

13 A - Flow duct acoustics

13 B - Flow acoustics of the human phonation

13 C - Fan noise

13 D - Computational flow-generated hydroacoustics

13 E - Aeroacoustics and Flow Controls

14 A - Signal processing and inversion in underwater acoustics

14 B - Sound propagation and Monitoring in Underwater Acoustics

14 C - Radiated Noise of Ships and Offshore Structures

15 A - Uncertainty Quantification in Aero- and Vibro-Acoustics

15 B - Numerical methods for acoustic materials and metamaterials

15 D - Boundary and finite element methods in acoustics and vibration

15 W - General 'Numerical, computational and theoretical acoustics'

16 A - Articulation and other transients

16 B - Measurement, modelling and perception of string instruments

16 C - Trends in health and safety in the musician's workplace with regard to sound exposure levels

16 W - General 'Musical acoustics'

17 A - Aeroacoustics of fluid-structure interactions

17 B - Propagation of acoustic waves in solid waveguides surrounded by liquid

17 C - Aeroacoustics and noise control

17 D - Acoustic Metamaterials

17 E - Acoustics of holes and dampers with mean flow

17 F - Acoustic propagation and flames in combustors

17 W - General 'Physical acoustics'

18 A - Physiologically inspired auditory processing models

18 B - Objective measures of auditory function

18 C - Rehabilitative audiology

18 D - Binaural models: Algorithms and applications

18 E - Assessment of hearing ability in realistic environments

18 F - Compensation strategies in cochlear implants

18 G - Machine learning based approaches to model auditory perception

18 H - Audio-visual (speech) perception

18 K - Influences of multisensory processing on auditory perception

18 L - How learning alters auditory processing: brainstem to cortex

18 M - Statistics in auditory scenes

18 N - Parcellating the functions of human auditory cortex

18 O - Speech enrichment: listening effort and intelligibility POSTER SESSION

19 A - Application of Psychoacoustics in Noise Evaluation

19 B - Binaural Phenomena in Psychoacoustics

19 D - Cognitive Stimulus Integration (in the context of auditory sensations and sound perceptions)

19 E - Metrics and Modeling Perception of Sound Attributes

19 W - General Psychoacoustics

20 A - Virtual auditory reality for enclosed spaces

20 B - Wave-based room simulations

20 C - Recent advances in sound absorption and diffusion of materials/devices

20 D - Acoustics of cultural heritage buildings
20 F - Sound absorption including the reverberation room issues, new trends revision ISO 354
20 G - Acoustical needs for comfortable and inclusive learning spaces
20 H - Open Plan offices
20 M - Effects of noise and room acoustics on communication among occupational voice users
20 N - Acoustics and noise in hospitals: experience and impact on patients, staff and community well-being
20 O - Spatial and binaural evaluation
20 P - Room acoustical simulation methods for high and low frequencies
20 W - General 'Room acoustics'

21 A - Towards standardized soundscape methodologies
21 B - Soundscapes of public spaces
21 D - Soundscape indicators and modeling
21 E - Urban Sound Planning
21 F - Indoor soundscaping and acoustic comfort
21 K - Wind Turbine Noise
21 L - Audio visual interactions for noise perception
21 N - Trends on the use of technology in soundscape analysis, design and planning
21 O - Sound as part of digitalization of the Unesco and Unique sites
21 P - Noise indicators and exposure assessment for health impact and soundscape studies

22 B - Sound quality of everyday-life products
22 C - Sound quality of fans and HVAC-systems
22 W - General 'Sound design'

23 B - From audio and speech quality to Quality of Experience and Aesthetic Appeal
23 W - General 'Speech'

24 A - Shape and topology optimization of vibroacoustic structures
24 B - Numerical analysis and experiment on structural acoustics
24 C - Vibro-acoustic behavior of structure under multi-field environments
24 D - Inverse problems in vibration and acoustics
24 F - Structural intensity - Computation, measurement, application
24 G - Human Vibration
24 W - General 'Structure-borne sound and vibration engineering'

25 A - Sound fields for special purposes and transducer design
25 B - Non-destructive evaluation (NDT)
25 C - High-frequency and ultrasonic emissions in air: Applications, measurement and human well-being
25 W - General 'Ultrasound'

26 A - Metrology
26 B - Novel Ultrasound Imaging and Stimulation

27 A - Auditory cognition in interactive virtual environments
27 B - Audio for Mobile VR/AR
27 C - Sound field rendering in Virtual Reality

Topic 01 - Posters: Active acoustic systems
Topic 02 - Posters: Audio signal processing (measurement, sensors, arrays)
Topic 03 - Posters: Animal Bioacoustics
Topic 04 - Posters: Building acoustics
Topic 05/06 - Posters: History and Education
Topic 08 - Posters: Noise and vibration policy and assessment
Topic 09 - Posters: Health effects of noise
Topic 10 - Posters: Vehicle acoustics (air, road, rail, water, ...)
Topic 11 - Posters: Environmental sound (sources, propagation)
Topic 12 - Posters: Electro-acoustics and (3D) audio signal processing
Topic 13 - Posters: Flow acoustics
Topic 14 - Posters: Underwater acoustics
Topic 15 - Posters: Numerical, computational and theoretical acoustics
Topic 16 - Posters: Musical acoustics

Topic 17 - Posters: Physical acoustics

Topic 18 - Posters: Physiological, psychological and audiological acoustics

Topic 19 - Posters: Psychoacoustics

Topic 20 - Posters: Room acoustics

Topic 21 - Posters: Soundscape and Urban Sound Planning

Topic 22 - Posters: Sound design

Topic 23 - Posters: Speech

Topic 24 - Posters: Structure-borne sound and vibration engineering

Topic 25 - Posters: Ultrasound

Topic 27 - Posters: Virtual Acoustics