



## MT01 - ACTIVE CONTROL OF SOUND AND VIBRATION

MT01 Organizers: Jordan Cheer and Teresa Bravo

### A01.02/A01.03 Active Sound and Vibration Control

Organizers: M. Pawelczyk and M. Misol

### A01.05/A06.07 Active Metamaterials

Organizers: T. Bravo, H. Lissek, C. de Marqui

### A01.06 Signal Processing for Active Control

Organizers: M. Bai, W-S. Gan

### A01.07/A08.06 Innovative noise barriers to enhance acoustic comfort

Organizers: M. Pawelczyk, J. Kang, A. González, S. Wrona, M. Ferrer

## MT02 - BIO-ACOUSTICS

MT02 Organizers: B. Davis, D. Waddington, H. Whitehead, E. Vidaña Vila

### A02.01 General

Organizers: B. Davis, D. Waddington, H. Whitehead, E. Vidaña Vila

### A02.02/A02.02 Underwater soundscape and noise: modelling, measurements and effects

Organizers: Jaime Ramis, G. Zambon, Ana Sirovic, P. Poveda, V. Zaffaroni

### A02.05 Effects of Multimodal Stimuli on Wildlife

Organizers: T. Van Renterghem, H. Slabbekoorn

### A09.03/A02.07 AI and Machine Learning in Bioacoustics

Organizer: Y. Jadoul

## MT03 - BUILDING ACOUSTICS

MT03 Organizers: A. Romero, C. Scrosati, T. Carrascal, C. Monteiro

### A03.01 General

Organizers: A. Romero, C. Scrosati, T. Carrascal, C. Monteiro

### A03.02 Acoustic regulations, classification schemes and standards in building acoustics

Organizers: B. Rasmussen, T. Carrascal

### A03.03 Prediction of sound and vibration transmission in buildings

Organizers: C. Hopkins, E. Reynders

### A03.04 Ground borne noise

Organizers: C. Guigou Carter, S. Antunes

### A03.05 Structure -borne sound and noise from building services

Organizers: U. Schanda, C. Hoeller, M. Garai

### A03.07 Acoustics of wooden buildings

Organizers: S. Schoenwald, M. Fuente

### A03.08 Reducing neighbour noise by acoustic retrofit in housing

Organizers: B. Rasmussen, T. Carrascal

### A03.09 Acoustic and Thermal Retrofit of Office Building Stock in EU

Organizers: M. Rychtarikova, V. Chmelik

### A03.10 Acoustic consultancy projects and BIM

Organizers: C. Mastino, Al. Diaz

### A03.11/A05.11 Heat pump sounds in residential settings: challenges and solutions

Organizers: J. Harvie-Clark, C. Reichl, G. Fusaro

### A03.12 Ventilation noise in dwellings: challenges, measurements, and solutions

Organizers: J. Harvie-Clark, C. Reichl, G. Fusaro

## MT04 - EDUCATION, PUBLIC OUTREACH AND HISTORY IN ACOUSTICS

MT04 Organizers: Montserrat Pàmies-Vilà and Nuria Campillo-Davó

### A04.01 General

Organizers: Montserrat Pàmies-Vilà, Nuria Campillo-Davó

### A04.02. Online resources and simulations for teaching and learning acoustics

Organizers: Augustin Ernoult, Montserrat Pàmies-Vilà, Lukas Aspöck

### A04.05 Yesterday, today and tomorrow of research in acoustics

Organizers: Walter A. Montano Rodríguez, Nuria Campillo-Davó

## MT05 - ENVIRONMENTAL ACOUSTICS

MT05 Organizers: Miguel Arana, Guillermo del Rey and Judicäel Picaut

### A05.01 General

Organizers: J. Picaut & M. Pawelczyk & M. Arana

### A05.03 Environmental noise perception

Organizers: T. Van Renterghem & A. Barros

### A05.04 Wind Turbine Noise

Organizers: J. Picaut & M. Arana

### A05.05 Urban sound planning

Organizers: L. Estévez & T. Maag

### A05.06 Recent Advances in Noise Mitigation Methods

Organizers: P. Bellucci & G. Licitra

### A05.07 Outdoor sound propagation

Organizers: L. Godhino & P. Mendes

### A05.08 Advances in Noise Mapping

Organizers: E. Murphy & D. Marvell

### A05.10/A14.09 Advanced air mobility noise

Organizers: A. J. Torija Martínez & M. Lotinga

### A03.11/A05.11 Heat pump sounds in residential settings: challenges and solutions

Organizers: J. Harvie-Clark, C. Reichl, G. Fusaro

## MT06 - ELECTRO-ACOUSTICS

MT06 Organizers: Hervé Lissek, Libor Rufer, Petr Honzík, Vittorio Ferrari

### A06.02 Microphones (theory, measurement, applications, MEMS technology, etc.)

Organizers: Petr Honzík and Stéphane Durand

### A06.03 Loudspeakers and Headphones (theory, measurement, applications, MEMS technology, etc.)

Organizers: Libor Rufer, Fabian Stoppel

### A06.06 Acoustic-based Sensors, Actuators and Microsystems for Diverse Applications

Organizers: Vittorio Ferrari, Alfonso Carlosena

### A01.05/A06.07 Active Metamaterials

Organizers: H. Lissek, T. Bravo, C. de Marqui



## MT07 - FLOW ACOUSTICS

MT07 Organizers: Stefan Becker, Daniele Ragni and Roberto Camussi

### A07.01 General

Organizers: S. Becker, D. Ragni, R. Camussi

### A07.02 Aeroacoustics of aircraft and urban air vehicles

Organizers: R. Camussi, D. Ragni, D. Casalino

### A07.03 Active and passive noise reduction technologies

Organizers: M. Raiola, A. Schulz

### A07.04 Fluid structures acoustic coupling

Organizers: S. Becker, E. Ferrer

### A19.06/A07.05 Methods for advanced computational aeroacoustics

Organizers: S. Schoder, G. Bernardini, F. Avallone

### A07.06 Modern experimental techniques in aeroacoustics

Organizers: S. Jacob, M. C. Jacob

## MT08 - INDUSTRIAL MACHINERY, EQUIPMENT NOISE AND VIBRATION

MT08 Organizers: Francesco Pompoli and Jaime Ramis

### A08.03 Advances in machinery noise and vibration control

Organizers: E. Piana, J. Ramis Soriano, S. Anda

### A08.04/A10.04 Materials and systems for noise and vibration reduction

Organizers: F. Pompoli, J. Carbajo San Martin, J. Arenas

### A08.05 NVH damage detection, condition monitoring, diagnostics of machinery

Organizers: E. Mucchi, P. Poveda Martínez and M. Battarra

### A01.07/A08.06 Innovative noise barriers to enhance acoustic comfort

Organizers: M. Pawelczyk, J. Kang, A. González, S. Wrona, M. Ferrer

### A09.05/A08.07 Artificial Intelligence for industrial applications

Organizers: R. M. Alsina-Pagès, G. Licitra

## MT09 - MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE IN ACOUSTICS

MT09 Organizers: Dick Botteldooren, Rosa María Alsina and Manuel Sobreira

### A09.01 General

Organizers: D. Botteldooren, M. Sobreira, R. M. Alsina-Pages, M. Plumbe, W. Want

### A09.03/A02.07 AI and Machine Learning in Bioacoustics

Organizers: Y. Jadoul, H. Whitehead, V. Lostanlen

### A09.05/A08.07 Artificial Intelligence for industrial applications

Organizers: R. M. Alsina-Pagès, G. Licitra

### A16.03/A09.06 Machine learning for array processing

Organizers: Maximo Cobos and Thushara Abhayapala

### A09.07 Events detection and localization, and acoustic scenes, using ML techniques

Organizers: P. Aumont, V. Lostanlen

### A11.02/A09.08 Artificial intelligence in Musical Acoustics

Organizers: Mirco Pezzoli, Riccardo Russo

## MT10 - MATERIALS AND METAMATERIALS

MT10 Organizers: Jean-Philippe Groby and Rubén Picó

### A10.02 Acoustic, vibroacoustic and elastic metamaterials

Organizers: M. Malléjac, M. Miniaci, D. Torrent, B. Van Damme

### A10.03 Metamaterials for noise and vibration reduction: novel applications and experimental methods

Organizers: E. Deckers, L. Van Belle, E. Shabalina, J. Cuena

### A10.04/A08.04 Materials and systems for noise and vibration control

Organizers: F. Pompoli, J. Carbajo San Martin, J. Arenas

### A10.05/A23.05 Metamaterials and acoustic black holes in vibro-acoustics

Organizers: J. Deng, F. Gautier, W. Jeon

### A19.05/A10.06 Numerical methods for acoustic materials and metamaterials

Organizers: L. Godinho, O. Dazel

### A10.07/A15.07 Characterization of Acoustic Materials

Organizers: M. Nolan, F. Chevillotte, L. Jaouen

### A10.08 Modeling acoustic wave propagation in viscothermal structures, including porous materials

Organizers: T. Bravo, M. Nolan, L. Jaouen, C. Maury

### A10.09 Acoustic wave propagation in complex media

Organizers: V. Romero-Garcia, T. Valier-Brazier

### A19.08/A10.10 Numerical methods for wave propagation in complex media

Organizers: A. Prieto-Aneiros, P. Amado-Mendes

## MT11 - MUSICAL ACOUSTICS

MT11 Organizers: Vasileios Chatzioannou, Michele Ducceschi and Vincent Debut

### A11.01 General

Organizers: V. Chatzioannou, M. Ducceschi, V. Debut

### A11.02/A09.08 Artificial intelligence in Musical Acoustics

Organizers: Mirco Pezzoli, Riccardo Russo

### A11.03 Consistency of musical instrument making

Organizers: L. Ausiello, J.-P. Dalmont

### A11.04 Articulated musical instrument modelling

Organizers: M. van Walstijn, V. Chatzioannou

### A11.05 Instruments, Hyperinstruments and beyond

Organizers: A. M. Barbancho, S. Guillén

### A24.07/A11.06 Networked music performances and virtual environments

Organizers: J. Castre, S. Willemse

## MT12 - PHYSICAL ACOUSTICS AND ULTRASOUND

MT12 Organizers: Lynda Chehami, Óscar Martínez -Graullera and Noé Jiménez

### A12.01 General

Organizers: N. Declercq, N. Jimenez

### A12.02 NDT&SHM Applications

Organizers: L. Chehami, M. Ben Tahar, M. Ech-Cherif El-Kettani, G. Cosarinsky

### A12.03 Biomedical ultrasound

Organizers: O. Martínez, G. Rus, J. Camacho, M. Pérez-Liva

### A12.07 Acousto-optics

Organizers: S. Dupont, J. Vanhamel, M. Duocastella



## MT13 - PHYSIOLOGICAL AND AUDIOLOGICAL ACOUSTICS

MT13 Organizers: Deborah Vickers, Maria Milagros J. Fumero and Miriam Isabel Marrufo Pérez

### A13.04 Advancements and Challenges in Military Acoustics: Physiological and Audiological Perspectives

Organizers: Nir Fink and Marian Weger

### A13.05 Asymmetric hearing loss - clinical solutions and functionality

Organizers: Ben Williges and Stefan Zirn

### A13.06 Audiology diagnostic techniques

Organizers: Jaime Undurraga and Miguel Tembouy Gutierrez

## MT14 - PSYCHOACOUSTICS

MT14 Organizers: Piotr Majdak, Nicola Prodi and Philipp Aichinger

### A14.01 General

Organizers: P. Majdak, N. Prodi, P. Aichinger

### A14.04 Spatial Hearing: Modeling and Applications

Organizers: P. Majdak, A. Osses

### A14.06 Development of semantic attributes based on psychoacoustic modelling

Organizers: M. Engel, E. Altinsoy, S. Atamer

### A14.07 New trends and research for robust and unbiased psychoacoustical experimentation

Organizers: D. de la Prida, M. Larrosa-Navarro

### A24.05/A14.08 Virtual acoustics and binaural AR in hearing research: challenges of a new paradigm

Organizers: N. Mayer-Kahlen, A. Reyes-Lecuona

### A05.10/A14.09 Advanced air mobility noise

Organizers: A. J. Torija Martínez & M. Lötting

### A14.11 Psychological and Physiological experiments for noise annoyance, acoustic comfort, and soundscape evaluation

Organizers: M. Masullo and A. Taghipour

## MT15 - ROOM ACOUSTICS

MT15 Organizers: Monika Rychtarikova, Ingo Witew and Melanie Nolan

### A15.01 General

Organizers: M. Rychtarikova, I. Witew and M. Nolan

### A15.02 Speech production and perception in rooms

Organizers: A. Astolfi and P. Bottalico

### A15.03 Modern Offices: Challenges and Solutions

Organizers: V. Hongisto, D. D'Orazio and C. Visentin

### A15.04/A24.06 Virtual Reconstructions in Archaeoacoustic Research

Organizers: B. Katz and F. Martellotta

### A15.05 Acoustic Comfort in Hospitals

Organizers: S. Secchi and J. Negreira

### A15.06 Acoustic and multidomain comfort in learning spaces

Organizers: C. Visentin and G. Puglisi

### A10.07/A15.07 Characterization of Acoustic Materials

Organizers: M. Nolan, F. Chevillotte, L. Jaouen

### A15.09 Sound Reflections in Concert Halls

Organizer: J. Oscar Garcia

### A15.10 Modeling and Estimation of Room Impulse Responses with Machine Learning

Organizers: G. Pinero and D. de la Prida

### A15.11/A16.05 Sound field reconstruction in rooms and enclosures

Organizers: Efren Fernandez-Grande and Marco Berzborn

### A15.12/A19.09 Numerical Methods for Room Acoustics

Organizer: M. Hornikx

## MT16 - SIGNAL PROCESSING

MT16 Organizers: Efren Fernandez Grande, Boaz Rafaely and Frank Zotter

### A16.02 Spatial audio signal processing - capture, encoding and enhancement

Organizers: Boaz Rafaely and Franz Zotter

### A16.03/A09.06 Machine learning for array processing

Organizers: Maximo Cobos and Thushara Abbayapala

### A16.04 Airborne sonar

Organizers: A. Izquierdo, L. del Val, J. J. Villacorta

### A15.11/A16.05 Sound field reconstruction in rooms and enclosures

Organizers: Efren Fernandez-Grande and Marco Berzborn

### A16.06 Source directivity: capturing, processing, and evaluating its effects

Organizers: Markus Noisternig and Samuel Bellows

### A24.11/A16.07 Processing/individualization/interpolation of HRIRs or BRIRs

Organizer: A. Andreopoulou

## MT17 - SOUNDSCAPE, ENVIRONMENTAL QUALITY, HEALTH AND WELL-BEING

MT17 Organizers: André Fiedig and Jerónimo Vida

### A17.01 General

Organizers: A. Fiedig, J. Vida

### A17.02 Restorative soundscapes - Sound quality, health and well-being

Organizers: M. Engel, A. Fiebig

### A17.03 Soundscape practice and interventions

Organizers: J. Kang, A. Fiebig, K. Siebein

### A17.04 Soundscape methods, monitoring and metrics

Organizers: J. Vida Manzano, I. Aspuru, R. M. Alsina-Pagès

### A17.05 Indoor soundscapes

Organizers: S. Torresin, P. Nur Dokmeci Yorukoglu

### A17.06 Soundscape and Inclusion, from Theory to Practice

Organizers: A. Talebzadeh, B. Schulte-Fortkamp

### A17.07 Hospital Soundscape

Organizers: P. Jik Lee, E. Ozcan, T. Hampton

## MT18 - SPEECH

MT18 Organizers: Laureano Moro-Velázquez, Eugenia San Segundo, Nick Cummins and Phillip Aichinger

### A18.01 General

Organizers: L. Moro-Velázquez, E. San Segundo, N. Cummins, P. Aichinger

### A18.02 Forensic Phonetics and Acoustics

Organizers: R. Hernández Molina, R. Perez Vargas, M. Ramírez Salado, V. Rodríguez Montaño

### A18.03 Speech production pathologies

Organizers: J. A. Gomez-Garcia, Z. Yue

### A18.04 Speech perception pathologies

Organizers: I. Lopez-Espejo, G. Encina Llamas

### A18.05 Speech technologies: diarization, emotion, enhancement

Organizers: L. Moro-Velázquez, T. Thebaud



**MT19 - NUMERICAL, COMPUTATIONAL AND THEORETICAL ACOUSTICS**

MT19 Organizers: Luis Godhino, Maarten Hornikx, Stefan Schoder and Marcus Mäder

**A19.01 General**

Organizers: M. Hornikx, J.-D. Chazot, M. Maeder, E. A. Sea

**A19.02 Numerical methods for acoustics and vibration**

Organizers: D. Panagiotopoulos, D. Mayhofer

**A19.05/A10.06 Numerical methods for acoustic materials and metamaterials**

Organizers: L. Godinho, O. Dazel

**A19.06/A07.05 Methods for advanced computational aeroacoustics**

Organizers: S. Schoder, G. Bernardini, F. Avallone

**A19.07 Validation and Benchmarks in Computational Acoustics**

Organizers: A. Prinn, L. Aspöck, S. Schoder, M. Maeder

**A19.08/A10.10 Numerical methods for wave propagation in complex media**

Organizers: A. Prieto-Aneiros, P. Amado-Mendes

**A15.12/A19.09 Numerical Methods for Room Acoustics**

Organizer: M. Hornikx

**MT20 - TRANSPORTATION NOISE AND VIBRATION**

MT20 Organizers: Stephanos Theodossiades, Eduardo Latorre and Ramón Peral

**A20.01 General**

Organizers: S. Theodossiades, E. Latorre, R. Peral

**A20.02 Automotive noise and vibration**

Organizers: S. Theodossiades, S. Anda

**A20.03 Road traffic noise and vibration**

Organizers: R. Peral, L. Estevez

**A20.04 Tyre/road noise**

Organizers: N. Campillo-Davo, E. Fraga de Frieta

**A20.05 Railway noise and vibration**

Organizers: R. Arcos, E. Latorre Iglesias

**A20.06 Noise barriers and mitigation techniques for road traffic and railway**

Organizers: M. Garai, P. Bellucci

**A20.07 Aircraft noise**

Organizers: P. Rodríguez, R. Merino

**MT21 - SOUND QUALITY AND PRODUCT DESIGN**

MT21 Organizers: Elif Ozcan Vieira, Patrick Susini, Georgios Marentakis and Doriana del Palú

**A21.02 Applied sound-driven design**

Organizers: Nicolas Misdariis, Simone Spagnol, Sara Lenzi, Elif Ozcan

**A21.03 Listening experience in sound-driven design**

Organizers: Sandra Pauleto, Georgios Marentakis, Doriana del Palú

**A21.04 Methodologies for sound-driven design and education**

Organizers: Stefano delle Monache, Patrick Susini, Rosana Sanz Segura

**MT22 - UNDERWATER ACOUSTICS**

MT22 Organizers: Didac Diego-Tortosa and María Campo

**A22.02/A02.02 Underwater soundscape and noise: modelling, measurements and effects**

Organizers: Jaime Ramis, G. Zambon, Ana Sirovic, P. Poveda, V. Zaffaroni

**A22.03 Communication, Positioning and Acoustic Sensor Systems**

Organizers: María Campo-Valera, Didac Diego-Tortosa

**A22.04 Traffic ship noises**

Organizers: Paolo Diviacco, Fernando Luis Rosa González

**A22.05 Geophysics and Distributed Acoustic Sensing (DAS) capabilities**

Organizers: Dídac Diego-Tortosa, María Campo-Valera

**MT23 - VIBRO-ACOUSTICS**

MT23 Organizers: Jose Roberto de Franca Arruda, Robert Arcos, Arnau Clot and Oriol Guash

**A23.01 Vibroacoustics**

Organizers: Oriol Guash and Robert Arcos

**A10.05/A23.5 Metamaterials and acoustic black holes in vibro-acoustics**

Organizers: J. Deng, F. Gautier, W. Jeon

**MT24 - VIRTUAL ACOUSTICS**

MT24 Organizers: Brian Katz, Arcadio Reyes Lecuona and Jose Javier Lopez Monfort

**A24.01 General**

Organizers: B. Katz and A. Reyes-Lecuona and JJ. López-Monfort and Suso Ramallo

**A24.05/A14.08 Virtual acoustics and binaural AR in hearing research: challenges of a new paradigm**

Organizers: N. Mayer-Kahlen, A. Reyes-Lecuona

**A15.4/A24.06 Virtual Reconstructions in Archaeoacoustic Research**

Organizers: B. Katz, F. Martellotta

**A24.07/A11.06 Networked music performances and virtual environments**

Organizers: J. Sastre, S. Willemsen

**A24.09/A24.13 Motion and rendering**

Organizer: A. Neidhardt and F. Brinkmann and J. Segura

**A24.11/A16.07 Processing/individualization/interpolation of HRIRs or BRIRs**

Organizer: A. Andreopoulou

## MT01 - ACTIVE CONTROL OF SOUND AND VIBRATION

MT01 Organizers: Jordan Cheer and Teresa Bravo

### Session Title: A01.02/A01.03 Active Sound and Vibration Control

Organizers: M. Pawelczyk and M. Misol

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A01.02/A01.03 - T1	67816edbf03aa	Topology optimisation of microphone arrays for remote microphone virtual sensing in diffuse sound fields	Oral	Tuesday 24th	16:40	SM5 - SCHROEDER
A01.02/A01.03 - T2	6789edae51740	Control of Transverse Vibrations in Vertically Installed Rotating Shafts Through Active Bearings	Oral	Tuesday 24th	17:00	SM5 - SCHROEDER
A01.02/A01.03 - T3	676c14874fa01	Active Structural Acoustic Control (ASAC) for Vibrating Plates with Openings in Vibro-Acoustic Systems	Oral	Tuesday 24th	17:20	SM5 - SCHROEDER
A01.02/A01.03 - T4	67864883167ca	A comparison between spatial interpolation approaches in a head-tracked active headrest system	Oral	Tuesday 24th	17:40	SM5 - SCHROEDER
A01.02/A01.03 - T5	678972db34369	Stability Analysis of Stepwise Simultaneous Perturbation Stochastic Approximation for Active Noise Control	Oral	Tuesday 24th	18:00	SM5 - SCHROEDER
A01.02/A01.03 - T6	678a239016954	Spatial Psychoacoustic Analysis of Perceptual Error Shaping in Local Active Noise Control	Oral	Tuesday 24th	18:20	SM5 - SCHROEDER
A01.02/A01.03 - P1	67935d08db12c	Enhancing In-Vehicle Speech Intelligibility: a study on the Benefits of ARNC Algorithms	Poster			Tuesday Morning
A01.02/A01.03 - P2	67570104e44eb	MOMENTUM ALGORITHM AND ITS APPLICATION TO ACTIVE CONTROL OF HVAC COMPRESSOR NOISE IN AUTONOMOUS BUS	Poster			Tuesday Morning
A01.02/A01.03 - P3	677e42c1eabe3	Empirical Study of Acoustic Paths for Drone Noise Estimation	Poster			Tuesday Morning

### Session Title: A01.05/A06.07 Active Metamaterials

Organizers: T. Bravo, H. Lissek, C. de Marqui

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A01.05/A06.07 - T1	678a135ef1998	Multi-Channel Acoustic Switch via Activation of Evanescent or Propagation Bloch Wave Modes	Oral	Tuesday 24th	14:20	SM5 - SCHROEDER
A01.05/A06.07 - T2	678acc473964e	Noise mitigation with active metamaterials	Oral	Tuesday 24th	14:40	SM5 - SCHROEDER
A01.05/A06.07 - T3	6796828a18e7d	Robust spatiotemporal wave localization in piezoelectric metamaterials through programmable topological interface states	Oral	Tuesday 24th	15:00	SM5 - SCHROEDER
A01.05/A06.07 - T4	6797448695c8f	Active Noise Reduction in Passenger Vehicles with Plasmacoustic Transducers	Oral	Tuesday 24th	15:20	SM5 - SCHROEDER
A01.05/A06.07 - T5	677e4c57eee54	Towards plasmacoustic metamaterials	Oral	Tuesday 24th	15:40	SM5 - SCHROEDER
A01.05/A06.07 - T6	6793961e2ca20	Targeting nonlinear equilibrium points of a nonlinear electroacoustic resonator	Oral	Tuesday 24th	16:00	SM5 - SCHROEDER

### Session Title: A01.06 Signal Processing for Active Control

Organizers: M. Bai, W-S. Gan

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A01.06 - T1	6787cd97eafce	Deep observation filter for virtual sensing in local active noise control	Oral	Tuesday 24th	11:40	SM6 - HELMHOLTZ
A01.06 - T2	677c9bcabd518	Active Noise Control with Extended Quiet Zones using Time-Domain Underdetermined Multichannel Inverse Filters and Kernel Interpolation	Oral	Tuesday 24th	12:00	SM6 - HELMHOLTZ
A01.06 - P1	6784f7a0bafdf8	Spatially Selective Active Noise Control for Open-fitting Hearables with Acausal Optimization	Poster			Tuesday Afternoon
A01.06 - P2	67482ab0968db	Using the Masking Curve of a Masker Signal to Approximate the Spectral Shape of a Target Speech Signal	Poster			Tuesday Afternoon

**Session Title: A01.07/A08.06 Innovative noise barriers to enhance acoustic comfort**

Organizers: M. Pawełczyk, J. Kang, A. González, S. Wrona, M. Ferrer

ID	REFERENCE	TITLE	TYPE	Date	Time	Room	
A01.07/A08.06 - T1	6792eb9a50bdf	Development of ANC secondary source wall arrays assisting with noise barriers	Oral	Wednesday 25th	9:00	SC1-4 - SABINE	
A01.07/A08.06 - T2	67939cb0786fe	Emergence of Indoor Soundscape Research Within Soundscape Studies: A Review Based on a Bibliometric Approach	Oral	Wednesday 25th	9:20	SC1-4 - SABINE	
A01.07/A08.06 - T3	6793a5d3b8cdf	Real-Time Implementation of a User-Selective Active Sound Control Seat Based on Auditory Scene Analysis	Oral	Wednesday 25th	9:40	SC1-4 - SABINE	
A01.07/A08.06 - T4	6795f16ae8ebd	Numerical study of a noise barrier composed of discrete cylindrical elements	Oral	Wednesday 25th	10:00	SC1-4 - SABINE	
A01.07/A08.06 - T5	6797725df1568	Optimizing In-Cabin Acoustic Comfort: Psychoacoustic Evaluation of Engine Sound Profiles.	Oral	Wednesday 25th	10:20	SC1-4 - SABINE	
A01.07/A08.06 - T6	67922d595a3c3	Sound attenuation of louvered noise barriers for industrial equipment	Oral	Wednesday 25th	10:40	SC1-4 - SABINE	
<b>A01.07/A08.06 - P1</b>	<b>67913ec5b90db</b>	<b>Acoustic Properties of a Louvered Noise Barrier with Tire Rubber Granulate Infill</b>	<b>Poster</b>	Wednesday Afternoon			

## MT02 - BIO-ACOUSTICS

MT02 Organizers: B. Davis, D. Waddington, H. Whitehead, E. Vidaña Vila

### Session Title: A02.01 General

Organizers: B. Davis, D. Waddington, H. Whitehead, E. Vidaña Vila

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A02.01 - T1	6778f7e4e4ac6	Bioacoustics of ecosystems: insights from multi-component observing stations in Italy and Mozambique	Oral	Monday 23rd	12:00	SC1-4 - SABINE
A02.01 - T2	6788d10f4063a	The effect of anthropogenic noise on plants	Oral	Monday 23rd	12:20	SC1-4 - SABINE
A02.01 - T3	6788dd0992eac	Enhanced Birdsong Detection Using Multi-Directional Beamforming and Automated Source Selection in Low SNR Soundscapes	Oral	Monday 23rd	12:40	SC1-4 - SABINE
A02.01 - T4	67927ad6d765f	Insights from Deploying Multichannel Acoustic Autonomous Recording Units in Borneo and the UK	Oral	Monday 23rd	13:00	SC1-4 - SABINE
A02.01 - T5	67859c8ec3360	A REVIEW ON THE POTENTIAL INTERACTION OF VIBROACOUSTIC AND ELECTROSTATIC PLANT-POLLINATOR COMMUNICATION	Oral	Thursday 26th	12:00	SM3 - BERANEK
A02.01 - P2	678a38f75ba16	Spatially Informed Bioacoustics for Enhanced Biodiversity Assessment	Poster			Tuesday Afternoon

### Session Title: A22.02/A02.02 Underwater soundscape and noise: modelling, measurements and effects

Organizers: Jaime Ramis, G. Zambon, Ana Sirovic, P. Poveda, V. Zaffaroni

Please See MT22

### Session Title: A02.05 Effects of Multimodal Stimuli on Wildlife

Organizers: T. Van Renterghem, H. Slabbeekoor

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A02.05 - T1	6787b0979f7f2	"You talking to me!?: The role of visual-acoustic cues in anemonefish social behaviour	Oral	Tuesday 24th	10:40	SC1-4 - SABINE
A02.05 - T2	67939a0aeac75	Towards Large-Scale Environmental Noise Mapping in Europe's Natural Areas	Oral	Tuesday 24th	11:00	SC1-4 - SABINE
A02.05 - T3	6794c5dd31d9e	A case study from the north-western Mediterranean: Preliminary results of marine noise pollution in a key coastal ecosystem	Oral	Tuesday 24th	11:20	SC1-4 - SABINE
A02.05 - T4	67955d75f3ef4	Potential for additive and interactive effects of artificial light at night and anthropogenic noise in attraction and deterrence of aquatic animals	Oral	Tuesday 24th	11:40	SC1-4 - SABINE
A02.05 - T5	67960cd9669dc	Sound communication interference weighting for terrestrial animals	Oral	Tuesday 24th	12:00	SC1-4 - SABINE

### Session Title: A09.03/A02.07 AI and Machine Learning in Bioacoustics

Organizer: Y. Jadoul

Please See MT09

## MT03 - BUILDING ACOUSTICS

MT03 Organizers: A. Romero, C. Scrosati, T. Carrascal, C. Monteiro

### Session Title: A03.01 General

Organizers: A. Romero, C. Scrosati, T. Carrascal, C. Monteiro

ID	REFERENCE	TITLE	TYPE	Date	Time	Room	
ok	A03.01 - T1	678a43dfd345e	Towards a simplified periodic testing of tapping machines	Oral	Tuesday 24th	11:00	SC1-1 -EULER
ok	A03.01 - T2	678a4efb6b6ca	Testing the heavy soft impact source at PTB: setup, calibration and uncertainty	Oral	Tuesday 24th	11:20	SC1-1 -EULER
ok	A03.01 - T3	6700c789dada7	Impact noise from one storey to the next storey above – from slab on the ground and slab between floors	Oral	Tuesday 24th	11:40	SC1-1 -EULER
ok	A03.01 - T4	6793f3d03c175	On the influence of sampling size in the assessment of uncertainty and repeatability of field measurements of impact sound insulation in various floor scenarios	Oral	Tuesday 24th	12:00	SC1-1 -EULER
ok	A03.01 - T5	6796035c15ea7	Acoustic properties of biomass bottom ash in different types of recycled concrete	Oral	Tuesday 24th	14:20	SC1-1 -EULER
ok	A03.01 - T6	6791d0dea3ae8	Acoustic performance of raw earth construction systems: State of the art and preliminary results	Oral	Tuesday 24th	14:40	SC1-1 -EULER
ok	A03.01 - T7	679567799643c	Acoustic performance of the junction between façades with ETICS and the joinery	Oral	Tuesday 24th	15:00	SC1-1 -EULER
ok	A03.01 - T8	6793c4022c198	Uniformity of sound fields in large room volumes for the measurement of façade sound insulation	Oral	Tuesday 24th	15:20	SC1-1 -EULER
ok	A03.01 - T9	6793ebcdfff0	Proposal for a methodology and calculation to apply in the sound insulation measurement of corner façades using ISO 16283-3 standard.	Oral	Tuesday 24th	15:40	SC1-1 -EULER
ok	A03.01 - T10	6785544e6c746	Advanced monitoring for heritage conservation: Technological innovation in preventive maintenance of historic buildings	Oral	Tuesday 24th	16:20	SC1-1 -EULER
ok	A03.01 - T11	672b3eb6690b3	Double-leaf system sound insulation improvement through embedding resonant elements in the steel studs	Oral	Tuesday 24th	16:40	SC1-1 -EULER
ok	A03.01 - T12	679491947dfc0	Acoustic design of two film sound stages near a train line	Oral	Tuesday 24th	17:00	SC1-1 -EULER
ok	A03.01 - T13	679587158ac00	Shaker-excited LDV measurements of ETFE membranes and cushions: acoustic response to raindrop impacts	Oral	Tuesday 24th	17:20	SC1-1 -EULER
ok	A03.01 - T14	67938db62b6e5	The effectiveness of Plenums in Room Acoustic Conditioning	Oral	Tuesday 24th	17:40	SC1-1 -EULER
ok	A03.01 - T15	67995ffe0da6a	Investigating Positional Effects of the Perimeter Frame in Sound Absorption Measurements	Oral	Tuesday 24th	18:00	SC1-1 -EULER
ok	A03.01 - T16	679289e000768	PRACTICAL VALIDATION OF THE LOCAL PLANE WAVE METHOD USING A SPHERICAL MICROPHONE ARRAY	Oral	Tuesday 24th	18:20	SC1-1 -EULER
A03.01 - P1	678a4f78b7f46	Low-Frequency Evaluation of Façade Sound Insulation in Brazilian Social Housing: A Case Study	Poster			Wednesday Afternoon	
A03.01 - P2	678f81332e561	Sound insulation properties of walls equipped with energy storage devices	Poster			Wednesday Afternoon	

### Session Title: A03.02 Acoustic regulations, classification schemes and standards in building acoustics

Organizers: B. Rasmussen, T. Carrascal

ID	REFERENCE	TITLE	TYPE	Date	Time	Room	
ok	A03.02 - T1	6788d4ad86fa0	The legislative leap forward towards regulating the acoustics in buildings in Croatia	Oral	Monday 23rd	12:00	SC1-1 -EULER
ok	A03.02 - T2	6793a74b84524	Revising a national standard on residential acoustic design: science, embedded practices, hearts and minds	Oral	Monday 23rd	12:20	SC1-1 -EULER
ok	A03.02 - T3	678f874249952	Acoustic Comfort in Spanish homes	Oral	Monday 23rd	12:40	SC1-1 -EULER
ok	A03.02 - T4	6793f2488dd32	Lines of study for the potential revision of the Basic Document on Protection Against Noise (DB HR) of the Spanish Building Code	Oral	Monday 23rd	13:00	SC1-1 -EULER
ok	A03.02 - T5	6796b8c279994	Standardized graphical presentation of acoustic requirements with a new Swedish sound classification	Oral	Monday 23rd	14:20	SC1-1 -EULER
ok	A03.02 - T6	6796b53778cd5	A Look into the Low Frequency Deficiencies of ISO 717-2	Oral	Monday 23rd	14:40	SC1-1 -EULER
ok	A03.02 - T7	678cd036ad17a	The construction of a standardised acoustic room as a key element to achieve the new regulatory requirements.	Oral	Monday 23rd	15:00	SC1-1 -EULER
ok	A03.02 - T8	67939b1d23ff9	Spatial variation of the sound pressure levels due to HVAC systems in offices and the assessment of noise from building services.	Oral	Monday 23rd	15:20	SC1-1 -EULER
ok	A03.02 - T9	678cce3bc19e1	A Survey and Evaluation Method for Speech Intelligibility of Firefighting Radios Considering the Environment of the Fire Site	Oral	Monday 23rd	15:40	SC1-1 -EULER
A03.02 - P1	67967c9b63803	Sound insulation in buildings vs noise map in Pamplona (Spain)	Poster			Tuesday Morning	

### Session Title: A03.03 Prediction of sound and vibration transmission in buildings

Organizers: C. Hopkins, E. Reynders

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A03.03 - T1	678a45ba2861a	Finite Element Analysis of Airborne Sound Transmission in Stud-Coupled Lightweight Wall Systems	Oral	Monday 23rd	16:20	SC1-1 -EULER
ok	A03.03 - T2	679356db3c36	Possibility of modelling the receiving room in FEM calculations	Oral	Monday 23rd	16:40	SC1-1 -EULER
ok	A03.03 - T3	6795f4fe6fef4	Accurate and efficient prediction of sound insulation in multilayer structures: a robust method validated with glazing examples	Oral	Monday 23rd	17:00	SC1-1 -EULER
ok	A03.03 - T4	6793542f74e32	Bayesian analysis of the $R_w$ based on a parametrized physical model according to ISO 12354-1	Oral	Monday 23rd	17:20	SC1-1 -EULER
ok	A03.03 - T5	678aa2de5b8d5	Wave-based analysis of flanking sound transmission across junctions with partial metamaterial treatment using effective medium theory	Oral	Monday 23rd	17:40	SC1-1 -EULER
ok	A03.03 - T6	679d15d666966	Acoustic performance of prefabricated reinforced concrete walls for modular constructions	Oral	Monday 23rd	18:00	SC1-1 -EULER
ok	A03.03 - T7	6795629e25b69	A statistical regression framework for evaluating noise exposure through outdoor-to-indoor sound propagation models	Oral	Monday 23rd	18:20	SC1-1 -EULER

### Session Title: A03.04 Ground borne noise

Organizers: C. Guigou Carter, S. Antunes

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A03.04 - T1	6791ced1af524	Effect of measurement positions on structure-borne noise levels in buildings subject to railway vibrations	Oral	Monday 23rd	14:20	SC1-2 - CHLADNI
ok	A03.04 - T2	679384a1d2e5d	Methodology for assessing structural noise annoyance in buildings caused by rail traffic. Comparative analysis between Portugal and Spain	Oral	Monday 23rd	14:40	SC1-2 - CHLADNI
ok	A03.04 - T3	67950e20c0542	Building Base Isolation Design: Quantification of vibration transmission using experimental measurements and power flow analysis	Oral	Monday 23rd	15:00	SC1-2 - CHLADNI
ok	A03.04 - T4	679518bd0765d	Mitigating ground-borne vibrations with a box-in-box solution: feasibility and challenges in a real case study	Oral	Monday 23rd	15:20	SC1-2 - CHLADNI
ok	A03.04 - T5	673dad8613158	Impact noise horizontally with 80 mm concrete slab and upper 80 mm polystyrene splitted with continuous polystyrene beneath	Oral	Monday 23rd	15:40	SC1-2 - CHLADNI

### Session Title: A03.05 Structure -borne sound and noise from building services

Organizers: U. Schanda, C. Hoeller, M. Garai

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A03.05 - T1	677e7d4a2f7b7	Experimental Estimation of Water Excitation Terms in Wastewater Systems	Oral	Thursday 26th	11:20	SC1-1 -EULER
ok	A03.05 - T2	6793495d52a1c	FH-IPTOOLS: Predicting wastewater noise in timber construction – a project introduction	Oral	Thursday 26th	11:40	SC1-1 -EULER
ok	A03.05 - T3	6793952b73173	From Classification to Prediction: Applying EN14366 to Fresh Water Systems	Oral	Thursday 26th	12:00	SC1-1 -EULER
	A03.05 - P1	6775e9cb46eb1	On-Site Application of Noise Reduction Technologies for Bathroom Drainage in Apartment Buildings	Poster			Wednesday Afternoon

**Session Title: A03.07 Acoustics of wooden buildings**  
 Organizers: S. Schoenwald, M. Fuente

	<b>ID</b>	<b>REFERENCE</b>	<b>TITLE</b>	<b>TYPE</b>	<b>Date</b>	<b>Time</b>	<b>Room</b>
ok	A03.07 - T1	6796ae28dac5a	Improvement of the airborne and impact sound insulation of a timber stud wall	Oral	Wednesday 25th	14:20	SC1-1 -EULER
ok	A03.07 - T2	6793597e58805	Sound insulation performance of timber floors with elastically mounted and suspended layers	Oral	Wednesday 25th	14:40	SC1-1 -EULER
ok	A03.07 - T3	6786dd3478512	Impact Sound Insulation of Cross-Laminated Timber (CLT) Floors: Evaluation of Small-Scale Specimens and Correlation with Large-Scale Systems	Oral	Wednesday 25th	15:00	SC1-1 -EULER
ok	A03.07 - T4	67879e743a1f1	Influence of gravel on flanking transmission in CLT buildings	Oral	Wednesday 25th	15:20	SC1-1 -EULER
ok	A03.07 - T5	6788fb10c5aa6	Prediction of flanking sound transmission across cross-laminated timber junctions with area couplings	Oral	Wednesday 25th	15:40	SC1-1 -EULER
ok	A03.07 - T6	678a52767dca9	Experimental modal analysis of a cross-laminated timber L-junction with a view towards predicting flanking sound transmission	Oral	Wednesday 25th	16:20	SC1-1 -EULER
ok	A03.07 - T7	678bd8d34dc3b	Load effects in flanking transmission of CLT structures with resilient interlayer	Oral	Wednesday 25th	16:40	SC1-1 -EULER
ok	A03.07 - T8	67920dbd024d8	Modelling Cross-Laminated Timber Plate Connections: a numerical approach for predicting Flanking Sound Transmission through angle brackets	Oral	Wednesday 25th	17:00	SC1-1 -EULER
ok	A03.07 - T9	679370f9a5391	Suggestion for a round-robin test on the measurement of vibration reduction indices on CLT junctions	Oral	Wednesday 25th	17:20	SC1-1 -EULER
ok	A03.07 - T10	679615f3cde1d	Detailed analysis of different software for sound insulation calculations of various structures	Oral	Wednesday 25th	17:40	SC1-1 -EULER
ok	A03.07 - T11	678a05580a86e	Rainfall sound insulation of (lightweight) wooden roof constructions	Oral	Wednesday 25th	18:00	SC1-1 -EULER
ok	A03.07 - T12	6798b58582257	ACOUSTIC COMFORT OF LIGHTWEIGHT TIMBER WALLS: CORRELATION BETWEEN SUBJECTIVE EVALUATIONS AND OBJECTIVE MEASUREMENTS	Oral	Wednesday 25th	18:20	SC1-1 -EULER
	<b>A03.07 - P1</b>	<b>678e3d0f4e51c</b>	<b>Initial Results of the Research Project Sound and Vibration Protection for Long Span Timber Floors</b>	<b>Poster</b>			Wednesday Morning

**Session Title: A03.08 Reducing neighbour noise by acoustic retrofit in housing**

Organizers: B. Rasmussen, T. Carrascal

	<b>ID</b>	<b>REFERENCE</b>	<b>TITLE</b>	<b>TYPE</b>	<b>Date</b>	<b>Time</b>	<b>Room</b>
ok	A03.08 - T1	67a1f751389d8	Improving sound insulation of old timber floor constructions (1917/1937) in multi-storey housing – Field case study	Oral	Tuesday 24th	9:00	SC1-1 -EULER
ok	A03.08 - T2	678f88ba2b031	Acoustic Insulation in plasterboard systems with Mineral Wool	Oral	Tuesday 24th	9:20	SC1-1 -EULER
ok	A03.08 - T3	6776c8e921889	In-situ evaluation of concrete interlayer adhesion by vibration	Oral	Tuesday 24th	9:40	SC1-1 -EULER
	<b>A03.08 - P1</b>	<b>677c7d7db8e51</b>	<b>Noise Reduction Mat Performance of Apartment Houses according to Slab Conditions</b>	<b>Poster</b>			Tuesday Afternoon
	<b>A03.08 - P2</b>	<b>677f712079d75</b>	<b>Communication between Caregivers and Children Regarding Inter-floor Noise in Multi-family Housing: A Korean Study</b>	<b>Poster</b>			Tuesday Afternoon

**Session Title: A03.09 Acoustic and Thermal Retrofit of Office Building Stock in EU**

Organizers: M. Rychtarikova, V. Chmelik

	<b>ID</b>	<b>REFERENCE</b>	<b>TITLE</b>	<b>TYPE</b>	<b>Date</b>	<b>Time</b>	<b>Room</b>
ok	A03.09 - T1	67940330d4fe9	ActaReBuild MSCA-DN project - Acoustic and Thermal Retrofit of Office Building Stock in EU	Oral	Thursday 26th	9:00	Auditorium
ok	A03.09 - T2	676970bcad830	Mycelium composites combining different waste sources for sustainable acoustic solutions	Oral	Thursday 26th	9:20	Auditorium
ok	A03.09 - T3	67861feec09ca	Exploration of use of Membrane-Type Metamaterial Layer for Application in Building Acoustics	Oral	Thursday 26th	9:40	Auditorium
ok	A03.09 - T4	678a4a74811fd	Effect of Load Plate Mass on Dynamic Stiffness Determination	Oral	Thursday 26th	10:00	Auditorium
ok	A03.09 - T5	679668a5d0060	How to optimise measurement time in acoustic material characterisation using a four-microphone impedance tube through a smart calibration technique	Oral	Thursday 26th	10:40	Auditorium
ok	A03.09 - T6	6796837b3cfbf	Building Envelope Assessment of Airtightness and Sound Insulation Using Acoustic Camera: A Case Study in Valladolid, Spain	Oral	Thursday 26th	11:00	Auditorium
ok	A03.09 - T7	6796b8f3026c7	Development of acoustic resonators using recycled plastics	Oral	Thursday 26th	11:20	Auditorium
	<b>A03.09 - P1</b>	<b>679699dce94c1</b>	<b>Rethinking material cycles: Combining mycelium and paper waste for the development of sound absorbers.</b>	<b>Poster</b>			Wednesday Afternoon

### Session Title: A03.10 Acoustic consultancy projects and BIM

Organizers: C. Mastino, Al. Díaz

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A03.10 - T1	6781ae852828f	IFC Open BIM for noise emission evaluation of the HVAC systems	Oral	Wednesday 25th	9:00	SM2 - MORSE
ok	A03.10 - T2	6786f221eaa1b	Building Information Modeling: Example of use IDS file and bSDD data base for acoustic evaluation	Oral	Wednesday 25th	9:20	SM2 - MORSE
ok	A03.10 - T3	67923547bb858	Acoustic calculations and workflow based on list of acoustically distinguishable spaces	Oral	Wednesday 25th	9:40	SM2 - MORSE
	A03.10 - P1	6787926c7ffa1	Introduction of a Grasshopper workflow for the integration of the acoustic analysis in a multi-domain BIM model	Poster			Wednesday Afternoon

### Session Title: A03.11/A05.11 Heat pump sounds in residential settings: challenges and solutions

Organizers: J. Harvie-Clark, C. Reichl, G. Fusaro

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A03.11/A05.11 - T1	6792661a1c337	Machine Learning-Based Prediction of Air Source Heat Pump Noise Annoyance	Oral	Wednesday 25th	11:00	SC1-1 -EULER
ok	A03.11/A05.11 - T2	678a7244d7d62	Characterisation and control of aero-acoustical inflow noise sources of the evaporator fan in Heat Pumps	Oral	Wednesday 25th	11:20	SC1-1 -EULER
ok	A03.11/A05.11 - T3	678a1100f1da8	Improve heat pump placement considering frequency resolved directivity data: creation of an open database	Oral	Wednesday 25th	11:40	SC1-1 -EULER
ok	A03.11/A05.11 - T4	67937fbe6ab3e	The role of measurement locations in low-frequency sound assessment	Oral	Wednesday 25th	12:00	SC1-1 -EULER
ok	A03.11/A05.11 - T5	678f770019a42	In-Situ Transfer Path Analysis of a Roof-Mounted Air Source Heat Pump	Oral	Thursday 26th	9:00	SC2-2 - KIRCHER
ok	A03.11/A05.11 - T6	6753164957f09	Simulation-based analysis of the sound emissions and placement impact of central and decentral air-to-water heat pumps in renovated multi-family buildings	Oral	Thursday 26th	9:20	SC2-2 - KIRCHER
ok	A03.11/A05.11 - T7	67954b5a2ea8b	A risk-based framework for acoustic assessment of ASHPs - from domestic to commercial applications	Oral	Thursday 26th	9:40	SC2-2 - KIRCHER

### Session Title: A03.12 Ventilation noise in dwellings: challenges, measurements, and solutions

Organizers: J. Harvie-Clark, C. Reichl, G. Fusaro

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A03.12 - T1	6787a6e17ac42	Scalability of Ventilation and Noise Insulation methods for assessing a full-scale Metawindow	Oral	Tuesday 24th	10:00	SC1-1 -EULER
ok	A03.12 - T2	678bba462c32e	Silencer Design for a Mechanical Ventilation with Heat Recovery Unit	Oral	Tuesday 24th	10:20	SC1-1 -EULER
	A03.12 - P1	67966b9320148	Evaluation of acoustic performance in smart ventilated windows with integrated heat storage	Poster			Tuesday Afternoon

## MT04 - EDUCATION, PUBLIC OUTREACH AND HISTORY IN ACOUSTICS

MT04 Organizers: Montserrat Pàmies-Vilà and Nuria Campillo-Davó

### Session Title: A04.01 General

Organizers: Montserrat Pàmies-Vilà, Nuria Campillo-Davó

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A04.01 - T1	67878d1c21b8a	The teaching of acoustics at the higher technical school of architecture of Madrid in 1855	Oral	Thursday 26th	9:00	SM1 - BÉKÉSY
A04.01 - T2	6796ab1a60c0a	Integrating Theory and Practice in Environmental Acoustics Education: A Pedagogical Approach to Soundscape Analysis	Oral	Thursday 26th	9:20	SM1 - BÉKÉSY
A04.01 - T3	67939ba855821	Acoustics in music education: Empowering Music Teachers as STEM Ambassadors	Oral	Thursday 26th	9:40	SM1 - BÉKÉSY
A04.01 - T4	6797581bdcfba	From sounds to architectural design: Acousmatic Spaces	Oral	Thursday 26th	10:00	SM1 - BÉKÉSY
A04.01 - P1	67878f284f97b	Acoustic multi-component monitoring of ecosystems: training for mangroves' conservation in Africa	Poster			Tuesday Morning

### Session Title: A04.02. Online resources and simulations for teaching and learning acoustics

Organizers: Augustin Ernoult, Montserrat Pàmies-Vilà, Lukas Aspöck

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A04.02 - T1	678a880278330	MOOCs for introductory courses in acoustics at the University of Le Mans: assessment and prospects	Oral	Thursday 26th	10:40	SM1 - BÉKÉSY
A04.02 - T2	67909c8a0a4e5	Interactive simulation apps for teaching acoustical phenomena and vibration effects	Oral	Thursday 26th	11:00	SM1 - BÉKÉSY
A04.02 - T3	67939c43718ca	Open Educational Resources for Virtual Acoustics Using Jupyter Notebooks and Pyfar Packages	Oral	Thursday 26th	11:20	SM1 - BÉKÉSY
A04.02 - T4	67951573b4ae5	Application of room acoustics simulation software in university teaching	Oral	Thursday 26th	11:40	SM1 - BÉKÉSY

### Session Title: A04.05 Yesterday, today and tomorrow of research in acoustics

Organizers: Walter A. Montano Rodríguez, Nuria Campillo-Davó

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A04.05 - T1	6766bf153a358	Al-Ándalus. Spreading acoustic knowledge from Spain to Western Europe	Oral	Wednesday 25th	14:20	SM1 - BÉKÉSY
A04.05 - T2	6766c0e1e3f5c	Music studies in 1254 at the University of Salamanca. An al-Ándalus legacy	Oral	Wednesday 25th	14:40	SM1 - BÉKÉSY
A04.05 - T3	677fad209074d	20 years of research on acoustics and vibrations at Miguel Hernandez University of Elche	Oral	Wednesday 25th	15:00	SM1 - BÉKÉSY
A04.05 - T4	67887a3f28e66	Psychoacoustics, the long road to being considered in international standards	Oral	Wednesday 25th	15:20	SM1 - BÉKÉSY
A04.05 - T5	678bf82a15958	A historical overview of Higinio Arau's proposal for calculating reverberation time (1988)	Oral	Wednesday 25th	15:40	SM1 - BÉKÉSY
A04.05 - T6	6793f5aa03134	From acoustic testing and modeling towards multi-physical digital twins: use cases and demonstrators	Oral	Wednesday 25th	16:00	SM1 - BÉKÉSY

## MT05 - ENVIRONMENTAL ACOUSTICS

MT05 Organizers: Miguel Arana, Guillermo del Rey and Judicäel Picaut

### Session Title: A05.01 General

Organizers: J. Picaut & M. Pawełczyk & M. Arana

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A05.01 - T1	675ae59dcd14f	CASE STUDY: NOISE SOURCE ANALYSIS THROUGH ENVIRONMENTAL NOISE MEASUREMENTS	Oral	Wednesday 25th	14:20	SC1-2 - CHLADNI
A05.01 - T2	676dbd601b049	Obtaining noise levels from projected overpressure levels generated by blasting operations	Oral	Wednesday 25th	14:40	SC1-2 - CHLADNI
A05.01 - T3	678849fdf667a	Experimental Assessment of Outdoor Leisure Noise: Sampling Methodology and Annoyance Indicators	Oral	Wednesday 25th	15:00	SC1-2 - CHLADNI
A05.01 - T4	6788d8a792efa	Practical noise immission modeling for concerts in stadiums: Santiago Bernabeu - Real Madrid (Spain)	Oral	Wednesday 25th	15:20	SC1-2 - CHLADNI
A05.01 - T5	6790f124a83e8	Comparative analysis between CNOSSOS-EU and interim methods	Oral	Wednesday 25th	15:40	SC1-2 - CHLADNI
A05.01 - T6	67936314030b6	Need of a National Noise Strategy in Spain and approach to develop it.	Oral	Wednesday 25th	16:20	SC1-2 - CHLADNI
A05.01 - T7	6793de16a5de6	Preliminary evaluation of a low-cost device for binaural soundscape monitoring	Oral	Wednesday 25th	16:40	SC1-2 - CHLADNI
A05.01 - T8	67951594c03f3	Assessing Acoustic Dynamics in Alpine Ecosystems: The Nivolet Pass Case Study	Oral	Wednesday 25th	17:00	SC1-2 - CHLADNI
A05.01 - T9	679564601ed76	Evaluating background noise criteria for estimating outdoor-to-indoor levels via a statistical learning modelling framework.	Oral	Wednesday 25th	17:20	SC1-2 - CHLADNI
A05.01 - T10	679691bfa546e	Towards the Worlds largest Noise Complaint Database	Oral	Wednesday 25th	17:40	SC1-2 - CHLADNI
A05.01 - T11	679747215948c	Integrated Noise and Vibration Monitoring: Advancing Environmental by a modern WebMonitoring Tool	Oral	Wednesday 25th	18:00	SC1-2 - CHLADNI
A05.01 - T12	67b44c8e6fa8e	Assessment and Analysis of Vibration Impacts from Underground Railway Tunnelling and Excavation	Oral	Wednesday 25th	18:20	SC1-2 - CHLADNI
A05.01 - P1	67850ce86c916	Immission Directivity in the frequency domain	Poster			Wednesday Morning

### Session Title: A05.03 Environmental noise perception

Organizers: T. Van Renterghem & A. Barros

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A05.03 - T1	677e83f1e947a	Sound Pressure Levels Height Dependence in a Green Roof	Oral	Monday 23rd	16:20	SC1-2 - CHLADNI
A05.03 - T2	677e8b5406925	Optimizing the traffic induced annoyance by public participation; Interaction between questionnaires, model calculations, and measurements	Oral	Monday 23rd	16:40	SC1-2 - CHLADNI
A05.03 - T3	6780e5d553b63	The alleviating role of residential green on road traffic noise annoyance: Insights from the RESTORE project	Oral	Monday 23rd	17:00	SC1-2 - CHLADNI
A05.03 - T4	67851918af693	Clustering individuals based on performance in audio-visual testing	Oral	Monday 23rd	17:20	SC1-2 - CHLADNI
A05.03 - T5	678a77b4875c0	Where can we hear silence? Exploring spatial patterns of perceptually-defined silent locations	Oral	Monday 23rd	17:40	SC1-2 - CHLADNI
A05.03 - T6	678e2611219eb	Exploring soundscape perception through the italian language: a study on descriptive words for noise and sound.	Oral	Monday 23rd	18:00	SC1-2 - CHLADNI
A05.03 - T7	679235f39abe7	Predicting the effect of noise exposure and residential green on annoyance: Considerations for statistical modeling	Oral	Monday 23rd	18:20	SC1-2 - CHLADNI
A05.03 - P1	678e31c74255a	Exploring the acoustic environments of Barcelona's Superblocks: perceptions from soundwalks	Poster			Tuesday Afternoon

**Session Title: A05.04 Wind Turbine Noise**  
 Organizers: J. Picaut & M. Arana

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A05.04 - T1	6784cadb30980	Off-coustics: Prediction and control of wind turbine offshore aeroacoustics	Oral	Thursday 26th	10:40	SC1-2 - CHLADNI
A05.04 - T2	6794d5bf86fcf	Long-term Wind Farm Noise assessment over different meteorological conditions	Oral	Thursday 26th	11:00	SC1-2 - CHLADNI
A05.04 - T3	679686bc0ba71	Noise mitigation strategies to optimize electricity production in wind farms	Oral	Thursday 26th	11:20	SC1-2 - CHLADNI
<b>A05.04 - P1</b>	<b>6798298a60bb6</b>	<b>Noise and vibration measurements emitted by wind towers</b>	<b>Poster</b>		Wednesday Afternoon	
<b>A05.04 - P2</b>	<b>6794d202afbe6</b>	<b>Wind turbine directional tonality</b>	<b>Poster</b>		Wednesday Afternoon	

**Session Title: A05.05 Urban sound planning**

Organizers: L. Estévez & T. Maag

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A05.05 - T1	6777d42d0ecc3	GUIDELINES FOR AN INSTITUTIONAL PROPOSAL FOR THE CREATION OF A NOISE AND VIBRATION OBSERVATORY IN URUGUAY	Oral	Monday 23rd	12:00	SC1-2 - CHLADNI
A05.05 - T2	6784ea351737a	Characteristics determining the attractiveness of urban green spaces: Insights from the RESTORE project	Oral	Monday 23rd	12:20	SC1-2 - CHLADNI
A05.05 - T3	6789017e42cdf	Necessary steps to advance research on healthy urban sound planning	Oral	Monday 23rd	12:40	SC1-2 - CHLADNI
A05.05 - T4	67923f4792800	Development of a tool for noise management in LEZs	Oral	Monday 23rd	13:00	SC1-2 - CHLADNI
A05.05 - T5	6793958a5ee5e	Soundscape evaluation of residential outdoor spaces based on a subjective questionnaire and objective acoustical measures	Oral	Tuesday 24th	9:00	SC1-2 - CHLADNI
A05.05 - T6	67969d70ba79d	Mapping areas with potential for noise adaptive building in airport regions	Oral	Tuesday 24th	9:20	SC1-2 - CHLADNI
A05.05 - T7	6796aa805bb8c	Enhancing Urban Acoustic Comfort: The Role of Free Surfaces, Green Spaces and Water Bodies in Mitigating Road Traffic Noise	Oral	Tuesday 24th	9:40	SC1-2 - CHLADNI
A05.05 - T8	6797e36c73f8e	Bringing soundscape auralizations to the urban city planning level	Oral	Tuesday 24th	10:00	SC1-2 - CHLADNI

**Session Title: A05.06 Recent Advances in Noise Mitigation Methods**

Organizers: P. Bellucci & G. Licitra

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A05.06 - T1	679247d8ae53f	The LIFE SILENT Project: advancing sustainable solutions to mitigate noise in urban environments	Oral	Wednesday 25th	9:00	SC1-2 - CHLADNI
	6793a51e73ede	Challenges in Producing Innovative Low-Noise Asphalt Mixtures with Recycled Materials and Additives: Insights from the LIFE SILENT Project	Oral	Wednesday 25th	9:20	SC1-2 - CHLADNI
A05.06 - T3	677cf7d5f0050	How sustainable are innovative noise mitigation road pavements? An LCA approach	Oral	Wednesday 25th	9:40	SC1-2 - CHLADNI
A05.06 - T5	67890ced736e2	EUROPEAN PROJECTS FOR NOISE QUALITY IN FLORENCE	Oral	Wednesday 25th	10:40	SC1-2 - CHLADNI
A05.06 - T6	6793c1ffdd4dc	Managing environmental noise by bringing together continuous monitoring and simulation models	Oral	Wednesday 25th	11:00	SC1-2 - CHLADNI
A05.06 - T7	6793d3ea55edd	LOW-HEIGHT NOISE BARRIERS FOR RAILWAYS: MEASUREMENT STANDARDIZATION AND METAMATERIALS APPLICATION ON NOISE REDUCTION	Oral	Wednesday 25th	11:20	SC1-2 - CHLADNI
A05.06 - T8	6794c152a8255	Analysis of complex scenarios for common noise mitigation of parallel infrastructures	Oral	Wednesday 25th	11:40	SC1-2 - CHLADNI
A05.06 - T9	679544c972ac1	Using Microphones in Outdoor Pass-By Noise Testing for Vehicle Speed Measurement	Oral	Wednesday 25th	12:00	SC1-2 - CHLADNI
<b>A05.06 - P1</b>	<b>6796619e9d4dd</b>	<b>LCA approach to evaluate the sustainability of innovative low-height noise barriers</b>	<b>Poster</b>		Wednesday Afternoon	
<b>A05.06 - P2</b>	<b>67937ccf6fa0f</b>	<b>LIFE SILENT Project WP5 – Implementation of developed solutions in the pilot area</b>	<b>Poster</b>		Wednesday Afternoon	
<b>A05.06 - P3 (previous T4)</b>	<b>6787f06347900</b>	<b>Environmental Noise Reduction Using Geometric Ground Shaping: Results from Scale Model Experiments</b>	<b>Poster</b>		Wednesday Afternoon	

Session Title: A05.07 Outdoor sound propagation					
Organizers: L. Godhino & P. Mendes					

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A05.07 - T1	67851a715899a	Self-shielding windows : scale model measurements and numerical simulations	Oral	Thursday 26th	9:00	SC1-2 - CHLADNI
A05.07 - T2	678a35ed981e9	Predicting the effects of ground impedance in long-range low-frequency propagation with the Semi-Analytic Finite-Element (SAFE) Method.	Oral	Thursday 26th	9:20	SC1-2 - CHLADNI
A05.07 - T3	6795ff7626605	Improvements in Measuring Acoustic Impedance of Outdoor Ground Surfaces	Oral	Thursday 26th	9:40	SC1-2 - CHLADNI
A05.07 - T4	6797833a0e0c4	Assessing forest acoustics: A comparison of in-situ and scale model acoustic impulse responses	Oral	Thursday 26th	10:00	SC1-2 - CHLADNI
A05.07 - P1	6775771aa79e1	KEY UPDATES IN ISO 9613-2:2024 – WHAT'S NEW IN OUTDOOR NOISE PREDICTION STANDARDS?	Poster		Wednesday Afternoon	

Session Title: A05.08 Advances in Noise mapping					
Organizers: E. Murphy & D. Manvell					

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A05.08 - T1	676675e8070f3	Noise Pollution in Spain: A Methodological Proposal for a Comprehensive Assessment	Oral	Monday 23rd	14:20	SM1 - BÉKÉSY
A05.08 - T2	679215b2f0885	Road traffic noise measuring and modelling in the vicinity of highway street according to CNOSSOS-EU.	Oral	Monday 23rd	14:40	SM1 - BÉKÉSY
A05.08 - T3	67928c7291f3	Identifying noise action plan priority locations in Ireland	Oral	Monday 23rd	15:00	SM1 - BÉKÉSY
A05.08 - T4	67935f55ea1c1	Quality Assurance and Modeling Limitations in Noise Emission Control Using ISO 9613-2 and ISO 17534	Oral	Monday 23rd	15:20	SM1 - BÉKÉSY
A05.08 - T5	679361e509315	CNOSSOS-EU implementations (iNoise and CadnaA), applied in the real case scenario of Santa Rosalía-Maqueda, Málaga	Oral	Monday 23rd	15:40	SM1 - BÉKÉSY
A05.08 - T6	67937c09282b3	Defra's Noise Modelling System: A new approach to nationwide modelling in support of research and evidence	Oral	Monday 23rd	16:00	SM1 - BÉKÉSY
A05.08 - T7	6793b14f33154	CNOSSOS ENVIRONMENTAL NOISE ANALYSIS BY CLOUD-BASED MODEL REFINEMENT AND CALCULATION	Oral	Monday 23rd	16:20	SM1 - BÉKÉSY
A05.08 - T8	6793c9e63fe4f	Overview of research supporting development of a national noise modelling system for England	Oral	Tuesday 24th	14:20	SM1 - BÉKÉSY
A05.08 - T9	67965cafb905c	POPULATION DISTRIBUTION METHODS AND THEIR IMPACT ON STRATEGIC NOISE MAPS	Oral	Tuesday 24th	14:40	SM1 - BÉKÉSY
A05.08 - T10	6796903557970	Noise Pollution in Spain: an Open-Source Tool for Aircraft Noise Modeling in the Context of Spain's Global Noise Assessment	Oral	Tuesday 24th	15:00	SM1 - BÉKÉSY
A05.08 - T11	67969c534e531	Can road traffic noise annoyance maps describe the lack of mental well-being in an urban area?	Oral	Tuesday 24th	15:20	SM1 - BÉKÉSY
A05.08 - T12	67992116ed8f1	A critical comparison of different modelling chains for estimating road traffic noise	Oral	Tuesday 24th	15:40	SM1 - BÉKÉSY
A05.08 - T13	679d07946e7d9	Delivering National Scale Noise Calculations with CNOSSOS-EU through cloud computing and software optimisation	Oral	Tuesday 24th	16:00	SM1 - BÉKÉSY
A05.08 - T14	67f501361b30d	Comparison of input data collection methods for road traffic noise models in residential area	Oral	Tuesday 24th	16:20	SM1 - BÉKÉSY
A05.08 - P1	67938aee12d82	Effect of traffic flow on urban noise modelling	Poster		Tuesday Morning	

### Session Title: A05.10/A14.09 Advanced air mobility noise

Organizers: A. J. Torija Martínez & M. Lotinga

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A05.10/A14.09 - T1	677cc9765a376	Noise Impact Range Assessment using UAM Noise Hemisphere	Oral	Tuesday 24th	10:40	SC1-2 - CHLADNI
A05.10/A14.09 - T2	6788e7c62a995	On-field measurements following the EASA Guidelines on Noise Measurements of Unmanned Aircraft Systems lighter than 600 kg	Oral	Tuesday 24th	11:00	SC1-2 - CHLADNI
A05.10/A14.09 - T3	678d08603f520	On the rotor noise interference	Oral	Tuesday 24th	11:20	SC1-2 - CHLADNI
A05.10/A14.09 - T4	678f67e5b7b92	Integrated U-space Societal Acceptance Assessment: Energy-based and Perception-based Acoustic Metrics	Oral	Tuesday 24th	11:40	SC1-2 - CHLADNI
A05.10/A14.09 - T5	678fa05f8595b	Noise impact of drone parcel delivery scenario over Madrid	Oral	Tuesday 24th	12:00	SC1-2 - CHLADNI
A05.10/A14.09 - T6	678fbfc846878	The effects of time-variant characteristics of unmanned aircraft system noise on reported annoyance	Oral	Tuesday 24th	14:20	SC1-2 - CHLADNI
A05.10/A14.09 - T7	6792cc8db5422	Review of the effects of drone noise on people	Oral	Tuesday 24th	14:40	SC1-2 - CHLADNI
A05.10/A14.09 - T8	67936cbebec33	A novel procedure to minimize the acoustic and environmental impact of eVTOL vehicles for intra-city mission profiles	Oral	Tuesday 24th	15:00	SC1-2 - CHLADNI
A05.10/A14.09 - T9	6794c3878f9ba	Differences in sound emission of multi-rotor UAS during hover and cruise	Oral	Tuesday 24th	15:20	SC1-2 - CHLADNI
A05.10/A14.09 - T10	6796444052391	Environmental Noise Analysis of a Rotorcraft in Urban Area based on Psychoacoustics	Oral	Tuesday 24th	15:40	SC1-2 - CHLADNI
A05.10/A14.09 - T11	67487958c80b3	Influence of surface roughness on the aerodynamic, aeroacoustic and psychoacoustic performances of drone propellers	Oral	Tuesday 24th	16:20	SC1-2 - CHLADNI
A05.10/A14.09 - T12	6786610891b01	Mid-Fidelity Framework for Rotor Noise Prediction and Perception in Maneuvering flight	Oral	Tuesday 24th	16:40	SC1-2 - CHLADNI
A05.10/A14.09 - T13	6790de2ee63f5	PSYCHOACOUSTIC CHARACTERIZATION OF AN ISOLATED PROPELLER AT DIFFERENT INFLOW TURBULENCE CONDITIONS AND COLLECTIVE PITCH ANGLES	Oral	Tuesday 24th	17:00	SC1-2 - CHLADNI
A05.10/A14.09 - T14	6793d281c246a	Measurement, characterisation, and machine learning-based modelling of UAV noise metrics in real conditions	Oral	Tuesday 24th	17:20	SC1-2 - CHLADNI
A05.10/A14.09 - T15	6794c90a01b65	Assessment of the Psychoacoustic Performance of the VENUS Project Distributed Electric Propellers Configuration	Oral	Tuesday 24th	17:40	SC1-2 - CHLADNI
A05.10/A14.09 - T16	6794e65b3247d	Comparative Drone Noise Flight Test Campaign Using Conventional Precision Microphones and an Artificial Head	Oral	Tuesday 24th	18:00	SC1-2 - CHLADNI
A05.10/A14.09 - T17	677b8f594765a	Exploring socio-spatial pattern of noise impact of advanced air mobility – A case study in West Yorkshire, England	Oral	Tuesday 24th	18:20	SC1-2 - CHLADNI
A05.10/A14.09 - P1	6787bf95f3f77	<b>UAS-NoiseCheck - A System Implementing the EASA Guidelines on Drone Noise Measurement</b>	Poster			Wednesday Morning
A05.10/A14.09 - P2	6788bde2642af	<b>Noise Modeling of UAM around Vertiports by Sound Barrier</b>	Poster			Wednesday Morning

### Session Title: A03.11/A05.11 Heat pump sounds in residential settings: challenges and solutions

Organizers: J. Harvie-Clark, C. Reichl, G. Fusaro

Please see MT03

## MT06 - ELECTRO-ACOUSTICS

MT06 Organizers: Hervé Lissek, Libor Rufer, Petr Honzík, Vittorio Ferrari

### Session Title: A06.02 Microphones (theory, measurement, applications, MEMS technology, etc.)

Organizers: Petr Honzík and Stéphane Durand

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A06.02 - T1	6788d2ea1045c	Nonlinear Behavior of Condenser Microphones: Analytical Modeling and Experimental Validation	Oral	Tuesday 24th	9:00	SC1-3 - RAYLEIGH
A06.02 - T2	679400252d356	Characterization of Planar Circular and Square MEMS Microphone Arrays for Low-Power Acoustic Applications	Oral	Tuesday 24th	9:20	SC1-3 - RAYLEIGH
A06.02 - P1	6796599f05187	PRESSURE-COMPARISON CALIBRATION OF MEMS MICROPHONES IN THE REVERBERATION CHAMBER	Poster			Tuesday Afternoon
A06.02 - P2	6796a9f7875af	Noise Source Direction Estimation using Flow-Sensing MEMS Microphones	Poster			Tuesday Afternoon
A06.02 - P3	6798df89adfda	Amplitude modulation discrimination in cochlear implant listeners: Effects of carrier frequency and 'interfering' modulated signals	Poster			Tuesday Afternoon

### Session Title: A06.03 Loudspeakers and Headphones (theory, measurement, applications, MEMS technology, etc.)

Organizers: Libor Rufer, Fabian Stoppel

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A06.03 - T1	672c86a7dc7d6	Acoustic metamaterials for attenuating unwanted wave phenomena in loudspeaker enclosures	Oral	Tuesday 24th	11:00	SM4 - ZWICKER
A06.03 - T2	675c5de58002a	Flat and curved parametric acoustic loudspeakers measured with exponential sine sweeps	Oral	Tuesday 24th	11:20	SM4 - ZWICKER
A06.03 - T3	67815aa9b2d7c	Influence of coil winding material on the performance of electrodynamic loudspeakers	Oral	Tuesday 24th	11:40	SM4 - ZWICKER
A06.03 - T4	67815c6c80639	Optimization of Cavities and Suspensions in Underwater Acoustic Projectors: Analytical and Numerical Study	Oral	Tuesday 24th	12:00	SM4 - ZWICKER
A06.03 - T5	67853f8d42626	Investigating Spatial Aliasing and Fresnel Zones of Line and Planar Sources for Sound Reinforcement	Oral	Wednesday 25th	9:00	SM4 - ZWICKER
A06.03 - T6	6786975ba7ffb	A Simulation Framework for Piezoelectric MEMS Speakers: Modeling, Integration, and Validation	Oral	Wednesday 25th	9:20	SM4 - ZWICKER
A06.03 - T7	67877de3ab3b4	Mechanically-open and acoustically-closed MEMS loudspeakers for in-ear applications	Oral	Wednesday 25th	9:40	SM4 - ZWICKER
A06.03 - T8	6794d11dcdfde	Impact of Impedance Mismatch on Crosstalk Cancellation with Micro-Speaker Arrays	Oral	Wednesday 25th	10:00	SM4 - ZWICKER
A06.03 - P1	677e49da79c0f	Development of a omnidirectional cylindrical sound source with a Corona Discharge Transducer	Poster			Wednesday Afternoon

### Session Title: A06.06 Acoustic-based Sensors, Actuators and Microsystems for Diverse Applications

Organizers: Vittorio Ferrari, Alfonso Carlosena

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A06.06 - T1	678e2bdf4ce89	On acoustic biotelemetry's bidirectional acoustic tag	Oral	Wednesday 25th	10:40	SM4 - ZWICKER
A06.06 - T2	678fc7ac62468	LOW ORDER LATERAL MODES OF PLATE TRANSDUCERS AS BASIS FOR EFFECTIVE AND REPRODUCIBLE ACOUSTOFLUIDIC DEVICES	Oral	Wednesday 25th	11:00	SM4 - ZWICKER
A06.06 - T3	6794bf2f19441	Acoustic Levitation in Air: novel techniques and applications	Oral	Wednesday 25th	11:20	SM4 - ZWICKER
A06.06 - T4	6796348c140b1	Piezoelectric MEMS Temperature Sensor based on Acoustic Flexural Plate Waves	Oral	Wednesday 25th	11:40	SM4 - ZWICKER
A06.06 - T5	679d0fe75ac71	Productization challenges of acoustic MEMS sensors and actuators	Oral	Wednesday 25th	12:00	SM4 - ZWICKER
A06.06 - P1	67850a42c9e6e	Comparative Study of the Frequency Response of Smartwatch Sensors for Human Movement Assessment	Poster			Wednesday Afternoon

### Session Title: A01.05/A06.07 Active Metamaterials

Organizers: H. Lissek, T. Bravo, C. de Marqui

Please see MT01

## MT07 - FLOW ACOUSTICS

MT07 Organizers: Stefan Becker, Daniele Ragni and Roberto Camussi

### Session Title: A07.01 General

Organizers: S. Becker, D. Ragni, R. Camussi

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A07.01 - T1	678501fc7275	Comparison of wavepacket models for supersonic twin jets against near-field pressure measurements	Oral	Tuesday 24th	17:00	SM1 - BÉKÉSY
A07.01 - T2	6790a13834337	Matching Pursuit decomposition of jet near-field pressure data	Oral	Tuesday 24th	17:20	SM1 - BÉKÉSY
A07.01 - T3	6787ee0f6ae4d	IMPACT OF THE NOZZLE EXHAUST TEMPERATURE ON THE NEAR-FIELD NOISE EMITTED BY SUBSONIC JETS	Oral	Tuesday 24th	17:40	SM1 - BÉKÉSY
A07.01 - T4	67938266c7fc8	Revisiting the effects of mean velocity profiles shape on sound propagation through two-dimensional ducts	Oral	Tuesday 24th	18:00	SM1 - BÉKÉSY
A07.01 - T5	6788ecfdc04f6	GPU-based aeroacoustic simulation of low-speed axial fans across their characteristic fan curves	Oral	Tuesday 24th	18:20	SM1 - BÉKÉSY
A07.01 - P1	678ccdee1d6f	Investigating the Acoustic Radiation of Coherent Structures in a Subsonic Jet	Poster			Tuesday Morning

### Session Title: A07.02 Aeroacoustics of aircraft and urban air vehicles

Organizers: R. Camussi, D. Ragni, D. Casalino

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A07.02 - T1	677ea258c82ba	Aero acoustics of UAV propellers with unequally spaced blades	Oral	Monday 23rd	12:00	SM5 - SCHROEDER
	678680beefa72	Flow characterisation using PIV to optimise microphone windscreens for on-board self-noise measurements of a multicopter (UAV) under different flight conditions	Oral	Monday 23rd	12:20	SM5 - SCHROEDER
A07.02 - T2	678e11b09b934	Acoustic Imaging and Noise Source Analysis of Multi-Rotor Drones: Effects of Configuration and Flight Conditions	Oral	Monday 23rd	12:40	SM5 - SCHROEDER
A07.02 - T4	6793ac00d82cf	Numerical Investigation on Tonal Noise Directivity in Distributed Propulsion Systems	Oral	Monday 23rd	13:00	SM5 - SCHROEDER
A07.02 - T5	6793c8b985cdd	Effects of boundary layer ingestion on ducted propeller noise	Oral	Monday 23rd	14:20	SM5 - SCHROEDER
A07.02 - T6	6794c6adc813	Wall Pressure Fluctuations and Impact on the Noise from Distributed Electric Propellers	Oral	Monday 23rd	14:40	SM5 - SCHROEDER
A07.02 - T7	67963d525766e	Experimental and analytical investigation of rotor-strut interaction noise	Oral	Monday 23rd	15:00	SM5 - SCHROEDER
A07.02 - T8	6796c5294d4b5	Hovering small-scale low Reynolds number rotor-beam source localization using both nearfield and farfield measurements	Oral	Monday 23rd	15:20	SM5 - SCHROEDER
A07.02 - T9	678023d4a5b80	On the Impact of Turbulent Inflow on the Aeroacoustics of a Propeller Operating at Low Reynolds Number	Oral	Thursday 26th	12:00	SM1 - BÉKÉSY
A07.02 - P1	67a4d238db732	URBAN AIR MOBILITY ROTOR NOISE AT STATIC THRUST WITH COLLECTIVE PITCH CONTROL	Poster			Tuesday Morning

### Session Title: A07.03 Active and passive noise reduction technologies

Organizers: M. Raiola, A. Schulz

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A07.03 - T1	6790f3f683604	On the Interaction of Grazing Acoustic Waves and Turbulent Boundary Layer over Acoustic Liners	Oral	Tuesday 24th	11:00	SM2 - MORSE
A07.03 - T2	6783dfe27466b	Relevance of heat exchanger installation on the efficacy of noise reduction strategies in an industrial engine cooling fan	Oral	Tuesday 24th	11:20	SM2 - MORSE
A07.03 - T3	6787e154cd0cb	Synchrophased Stacked Rotors for Noise Control	Oral	Tuesday 24th	11:40	SM2 - MORSE
A07.03 - T4	6787e4022c33f	Further Investigation of the Simplified Septa Acoustic Liner Concept	Oral	Tuesday 24th	12:00	SM2 - MORSE
A07.03 - T5	6788eaf0d2151	Turbulence effect on the acoustic boundary layer of perforated acoustic liners	Oral	Tuesday 24th	14:20	SM2 - MORSE
A07.03 - T6	678a16a12e7f5	On the impact of the orifice geometrical features on the performance of an acoustic liner	Oral	Tuesday 24th	14:40	SM2 - MORSE
A07.03 - T7	67953a5fe5837	Experimental investigation into the suppression of propeller noise using Over-Tip-Rotor liners	Oral	Tuesday 24th	15:00	SM2 - MORSE
A07.03 - T8	6796113f78670	Identification of an actuation manifold for open-loop control of subsonic jet noise with acoustic-based excitation	Oral	Tuesday 24th	15:20	SM2 - MORSE
A07.03 - T9	6794bc8c302d5	Numerical Investigation on Noise Reduction of Distributed Propellers by Phase Synchronization	Oral	Tuesday 24th	15:40	SM2 - MORSE
A07.03 - T10	6790fa7fd948c	MITIGATION STRATEGIES FOR ACOUSTIC REFLECTIONS GENERATED BY AN AXISYMMETRIC WIND TUNNEL NOZZLE	Oral	Tuesday 24th	16:00	SM2 - MORSE

**Session Title: A07.04 Fluid structures acoustic coupling**

Organizers: S. Becker, E. Ferrer

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A07.04 - T1	6781470e36890	Suppression of an aeroacoustic feedback mechanism in a complex pipeline	Oral	Monday 23rd	16:20	SM5 - SCHROEDER
A07.04 - T2	678fd4b4050cb	Impact of resonance loading on the sound generation from in-duct point sources	Oral	Monday 23rd	16:40	SM5 - SCHROEDER
A07.04 - T3	6793cd1470895	Parametric study of turbulence ingestion noise for marine propellers.	Oral	Monday 23rd	17:00	SM5 - SCHROEDER
A07.04 - T4	6796716f2123f	Effects of inflow conditions on turbulence-ingestion noise prediction	Oral	Monday 23rd	17:20	SM5 - SCHROEDER
A07.04 - T5	678debaf07f9c	A Vibro-Acoustic Calibration Approach for the FEM Simulation of a Thin-Walled Duct System and Fan Housing	Oral	Monday 23rd	17:40	SM5 - SCHROEDER
A07.04 - T6	6797cc6503c42	Shape Optimization of Round Holes with Turbulent Bias Flow for Aeroacoustic, Aerodynamic and Heat Transfer Performance	Oral	Monday 23rd	18:00	SM5 - SCHROEDER
A07.04 - T7	677e4e2b73161	Flow-acoustic coupling in vortex whistle	Oral	Monday 23rd	18:20	SM5 - SCHROEDER

**Session Title: A19.06/A07.05 Methods for advanced computational aeroacoustics**

Organizers: S. Schoder, G. Bernardini, F. Avallone

**Please see MT19**

**Session Title: A07.06 Modern experimental techniques in aeroacoustics**

Organizers: S. Jacob, M. C. Jacob

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A07.06 - T1	678e1dc8444d7	Experimental investigation of rotor shielding effects on axial flow fan using interstage array	Oral	Wednesday 25th	11:00	SM5 - SCHROEDER
A07.06 - T2	678fd5fba8d31	Stochastic approach for estimating the sound power of tonal mode components in flow ducts based on azimuthal mode analysis	Oral	Wednesday 25th	11:20	SM5 - SCHROEDER
A07.06 - T3	679364ad71fa1	Instrumentation and measurement validation approach for an aero-acoustic circular test-rig based on temporal, frequency, and modal criteria	Oral	Wednesday 25th	11:40	SM5 - SCHROEDER
A07.06 - T4	679364c83b8ad	NUMERICAL ASSESSMENT OF A MODE DETECTION ARRAY FOR AZIMUTHAL DECOMPOSITION	Oral	Wednesday 25th	12:00	SM5 - SCHROEDER
A07.06 - P1	677c1dfa707eb	Application of atmospheric wind filter arrays for acoustic monitoring UAVs	Poster			Wednesday Afternoon

## MT08 - INDUSTRIAL MACHINERY, EQUIPMENT NOISE AND VIBRATION

MT08 Organizers: Francesco Pompoli and Jaime Ramis

### Session Title: A08.03 Advances in machinery noise and vibration control

Organizers: E. Piana, J. Ramis Soriano, S. Anda

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A08.03 - T1	676e0d86c640e	A STUDY ON THE TRANSFER CHARACTERISTICS OF THE IN-WHEEL MOTOR SYSTEM BASED ON EV PLATFORM	Oral	Tuesday 24th	9:00	SM5 - SCHROEDER
A08.03 - T2	67889420b4b45	Relationship among Noise, Cavitation Structure and Erosion Risk in Industrial Centrifugal Pumps with a Fan-type Inducer	Oral	Tuesday 24th	9:20	SM5 - SCHROEDER
A08.03 - T3	678a7e4ea7177	The influence of helix angle and gears width on the noise radiated by a gearbox	Oral	Tuesday 24th	9:40	SM5 - SCHROEDER
A08.03 - T4	678ac4f97b925	LpScan – A project to standardize sound power determination from sound pressure scans	Oral	Tuesday 24th	10:00	SM5 - SCHROEDER
A08.03 - T5	6793aa9996cfcc	Analytical and Experimental Investigation of Stator Assembly Vibrations in Electric Motors	Oral	Tuesday 24th	10:20	SM5 - SCHROEDER
A08.03 - T6	6794adcd8512e	Psychoacoustic investigation of the sound radiation of rotary drilling rigs	Oral	Tuesday 24th	11:00	SM5 - SCHROEDER
A08.03 - T7	6794b584df7b2	Acoustic measurements and employee feedback: addressing noise in industrial work environments – a case study	Oral	Tuesday 24th	11:20	SM5 - SCHROEDER
A08.03 - T8	6789258dc93b3	A comparison of various control logic driving speeds of inverter compressors in modern refrigerators and their potential impact on the final user sound quality assessment.	Oral	Tuesday 24th	11:40	SM5 - SCHROEDER
A08.03 - T9	6794f7d59d0ea	DOUBLE AND SINGLE ELASTIC SUPPORT FOR LARGE GENERATOR SETS	Oral	Tuesday 24th	12:00	SM5 - SCHROEDER
A08.03 - T10	67951c2040216	Combined thermal and acoustic design of enclosures for outdoor applications	Oral	Tuesday 24th	17:40	SM3 - BERANEK
A08.03 - T11	678a1c0c534d9	Active structural acoustic control of the noise radiated by a thin plate: preliminary study for an industrial cabin	Oral	Tuesday 24th	18:00	SM3 - BERANEK
A08.03 - T12	678a1d32bf50e	Design of a tripod vibration actuator for active reduction methods	Oral	Tuesday 24th	18:20	SM3 - BERANEK
A08.03 - P1	677694dcf0e51	Noise measurements performance guarantee on a Floating Liquified Natural Gas plant	Poster			Wednesday Morning

### Session Title: A08.04/A10.04 Materials and systems for noise and vibration reduction

Organizers: F. Pompoli, J. Carabao San Martin, J. Arenas

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A08.04/A10.04 - T1	67876e7fb6607	Experimental approaches for the characterization of the vibroacoustic behaviour of a domestic coffee apparatus	Oral	Thursday 26th	9:00	SM2 - MORSE
A08.04/A10.04 - T2	678a0b971aa7e	Development of sustainable sound-absorbing panels based on recycled jute fibres	Oral	Thursday 26th	9:20	SM2 - MORSE
A08.04/A10.04 - T3	678fd3046b98a	Low-frequency acoustic and vibroacoustic treatments to reduce sound transmission within ducts	Oral	Thursday 26th	9:40	SM2 - MORSE
A08.04/A10.04 - T4	6793b2977fbc8	Towards a unified approach to characterize ventilated acoustic metamaterials	Oral	Thursday 26th	10:00	SM2 - MORSE
A08.04/A10.04 - T5	67935e52c24ed	Demonstrating the effectiveness of a multi-layer thin mineral sound ab-sorber for courtyard noise reduction	Oral	Thursday 26th	10:40	SM2 - MORSE
A08.04/A10.04 - T6	6792c83de5d58	A study on the dynamic stiffness prediction methodology of bushing system for reducing noise and vibration of electric vehicles	Oral	Thursday 26th	11:00	SM2 - MORSE
A08.04/A10.04 - P1	66fe7252549dc	MEASUREMENTS OF THE ACOUSTIC PROPERTIES OF MYCELIUM-BASED MATERIALS USING AN IMPEDANCE TUBE	Poster			Wednesday Morning
A08.04/A10.04 - P2	678649fed8721	Recycled materials as absorbent layer in acoustic ceilings: non-woven polypropylene	Poster			Wednesday Morning

### Session Title: A08.05 NVH damage detection, condition monitoring, diagnostics of machinery

Organizers: E. Mucchi, P. Poveda Martínez and M. Battarra

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A08.05 - T1	6786bcdb2df0f	A vibration based health monitoring system for a stretch wrapping machine	Oral	Wednesday 25th	9:00	SC1-3 - RAYLEIGH
A08.05 - T2	678e21389fc39	A mathematical model based digital twin for gearboxes operating at variable speed	Oral	Wednesday 25th	9:20	SC1-3 - RAYLEIGH
A08.05 - T3	679512ccb1a4b	A new feature extraction framework for source-free domain adaptation in bearing fault diagnosis	Oral	Wednesday 25th	9:40	SC1-3 - RAYLEIGH
A08.05 - T4	6796acebd13ec	Analysis of Defects in Rolling Bearings Using Vibroacoustic and Ultrasonic Techniques	Oral	Wednesday 25th	10:00	SC1-3 - RAYLEIGH
A08.05 - P1	66fbe47181bef	Tool Wear Prediction in CNC Turning Operations using Ultrasonic Microphone Arrays and CNNs	Poster			Wednesday Morning

**Session Title: A01.07/A08.06 Innovative noise barriers to enhance acoustic comfort**

Organizers: M. Pawełczyk, J. Kang, A. González, S. Wrona, M. Ferrer

**Please see MT01**

**Session Title: A09.05/A08.07 Artificial Intelligence for industrial applications**

Organizers: R. M. Alsina-Pagès, G. Licitra

**Please see MT09**

## MT09 - MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE IN ACOUSTICS

MT09 Organizers: Dick Botteldooren, Rosa María Alsina and Manuel Sobreira

### Session Title: A09.01 General

Organizers: D. Botteldooren, M. Sobreira, R. M. Alsina-Pages, M. Plumbe, W. Want

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A09.01 - T1	6793ceb2b7265	Neural Network-Based Solutions for the Linearized Euler Equations in Outdoor Sound Propagation	Oral	Tuesday 24th	9:40	SC1-3 - RAYLEIGH
A09.01 - T2	679676b41a991	Utilizing Large Language Models for Optimizing Sound Selection in Dementia Care Environments	Oral	Tuesday 24th	10:00	SC1-3 - RAYLEIGH
A09.01 - T3	6793e2f30524f	Comparative analysis on the use of linear and non-linear methods for auditory attention decoding	Oral	Tuesday 24th	10:20	SC1-3 - RAYLEIGH
A09.01 - T4	67962010e8d98	Comparison of Deep Learning and Psychoacoustic Models to Predict UAV Noise Impact in Soundscapes	Oral	Tuesday 24th	11:00	SC1-3 - RAYLEIGH
A09.01 - T5	6784ff545ae7c	Open-Source System for Multilingual Translation and Cloned Speech Synthesis	Oral	Tuesday 24th	11:20	SC1-3 - RAYLEIGH
A09.01 - T6	679601834b207	A model for improving the performance of large language models on soundscape description tasks	Oral	Tuesday 24th	11:40	SC1-3 - RAYLEIGH
A09.01 - T7	6793e0fddd720	Sound environments classification of an university campus using unsupervised machine learning techniques	Oral	Tuesday 24th	12:00	SC1-3 - RAYLEIGH

### Session Title: A09.03/A02.07 AI and Machine Learning in Bioacoustics

Organizers: Y. Jadoul, V. Lostanlen

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A09.03/A02.07 - T1	677bae2e343b2	Vocal activity of the common cuckoo ( <i>Cuculus canorus</i> ) in the Chernobyl Exclusion Zone is not impacted by radiation.	Oral	Wednesday 25th	10:40	SC1-3 - RAYLEIGH
A09.03/A02.07 - T2	678a15d6c1f33	Comparing without classifying: evaluating embeddings from bioacoustic deep learning feature extractors	Oral	Wednesday 25th	11:00	SC1-3 - RAYLEIGH
A09.03/A02.07 - T3	67943627f3ddf	Development of an Ear Tag System for Diagnosing Swine Respiratory Diseases Using LSTM	Oral	Wednesday 25th	11:20	SC1-3 - RAYLEIGH
A09.03/A02.07 - T4	678f9d59bb023	Automated Data Curation for Self-Supervised Learning in Underwater Acoustic Analysis	Oral	Wednesday 25th	11:40	SC1-3 - RAYLEIGH
A09.03/A02.07 - T5	678fb28eabda1	Audio Event Detection to assess the effects of an urban regeneration plan applied to a University square in Milan, Italy	Oral	Wednesday 25th	12:00	SC1-3 - RAYLEIGH
A09.03/A02.07 - P1	678a20400d29f	Hardware acceleration of Convolutional Neural Network for Lung Ultrasound segmentation	Poster			Wednesday Afternoon
A09.03/A02.07 - P2	678a2040a5554	Cross-Domain Transfer Learning for Segmentation of Lung Ultrasound images	Poster			Wednesday Afternoon

### Session Title: A16.03/A09.06 Machine learning for array processing

Organizers: Maximo Cobos and Thushara Abhayapala

Please see MT16

**Session Title: A09.05/A08.07 Artificial Intelligence for industrial applications**

Organizers: R. M. Alsina-Pagès, G. Licitra

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A09.05/A08.07 - T1	678a65a338488	Reinforcement Learning to Enhance CFD for Acoustic Simulations	Oral	Tuesday 24th	14:20	SC1-3 - RAYLEIGH
A09.05/A08.07 - T2	67931c77a86f1	Soundscape system based on passenger emotion and conversation perception of autonomous vehicles	Oral	Tuesday 24th	14:40	SC1-3 - RAYLEIGH
A09.05/A08.07 - T3	6793a910b670e	Automatic classification of packaging waste at source using acoustic technology	Oral	Tuesday 24th	15:00	SC1-3 - RAYLEIGH
A09.05/A08.07 - T4	679504cfb3c78	Deep learning-aided design of a broadband low-frequency meta-absorber for room acoustic applications	Oral	Tuesday 24th	15:20	SC1-3 - RAYLEIGH
A09.05/A08.07 - P1	67895e5285909	<b>Detection of Operational Regime-Related Faults in Air Compressor Systems Using Acoustic Analysis and Machine Learning</b>	Poster			Wednesday Afternoon
A09.05/A08.07 - P2	678a3e72577b8	<b>Monitoring of Manufacturing process, using unsupervised Sound Event Classification with application of Sound Directivity</b>	Poster			Wednesday Afternoon
A09.05/A08.07 - P3	67864a3551bbf	<b>Fault Detection in C-EPS Bearings Based on Unsupervised Learning</b>	Poster			Wednesday Afternoon
A09.05/A08.07 - P4	678a229ce132e	<b>Deep learning for ultrasound surface echo detection with matrix arrays</b>	Poster			Wednesday Afternoon

**Session Title: A09.07 Events detection and localization, and acoustic scenes, using ML techniques**

Organizers: P. Aumond, V. Lostanlen

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A09.07 - T1	678527cdb179d	Does Source Directivity Influence Neural Network-Based Speech Position Estimation?	Oral	Tuesday 24th	16:00	SC1-3 - RAYLEIGH
A09.07 - T2	6786784c4a930	Speech position estimation using neural networks from acoustic signals of hearing aids.	Oral	Tuesday 24th	16:20	SC1-3 - RAYLEIGH
A09.07 - T3	678a7bd18d4e6	Leveraging Pre-Trained Foundational Audio Models for Acoustic Event Detection in Driving Scenarios	Oral	Tuesday 24th	16:40	SC1-3 - RAYLEIGH
A09.07 - T4	678b8e1cacc34	Learning-Based Model Selection for Acoustic Source Localization: Addressing Trade-offs in Complexity and Data Requirements	Oral	Tuesday 24th	17:00	SC1-3 - RAYLEIGH
A09.07 - T5	67921331ea544	Exploring the Potentialities of Machine Learning Techniques for the Analysis and the Forecast of Road Traffic Noise Levels	Oral	Tuesday 24th	17:20	SC1-3 - RAYLEIGH
A09.07 - T6	67928eb98906b	Urban sound classification on the edge: exploring the accuracy-efficiency trade-off	Oral	Tuesday 24th	17:40	SC1-3 - RAYLEIGH
A09.07 - T7	6793916061417	Automatic detection of roadway noise using AI classifiers and signal processing algorithms	Oral	Tuesday 24th	18:00	SC1-3 - RAYLEIGH
A09.07 - T8	67966d714f8e3	Enhanced Environmental Sound Event Classification through Transfer Learning with CLAP Model	Oral	Tuesday 24th	18:20	SC1-3 - RAYLEIGH
A09.07 - P1	6796617121e4f	<b>A Comparative Analysis of Interior vs. Exterior Vehicle Microphone Placement for Acoustic Event Detection in Driving Environments</b>	Poster			Tuesday Morning

**Session Title: A11.02/A09.08 Artificial intelligence in Musical Acoustics**

Organizers: Mirco Pezzoli, Riccardo Russo

**Please see MT11**

## MT10 - MATERIALS AND METAMATERIALS

MT10 Organizers: Jean-Philippe Groby and Rubén Picó

### Session Title: A10.02 Acoustic, vibroacoustic and elastic metamaterials

Organizers: M. Malléjac, M. Miniaci, D. Torrent, B. Van Damme

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A10.02 - T1	678e27d0f24c9	High bulk modulus pentamodes, the 3D metal water	Oral	Wednesday 25th	11:20	SM6 - HELMHOLTZ
A10.02 - T2	678e4bd916b23	Increasing Helmholtz resonator stability against non-linear resistance increments using chamfers	Oral	Wednesday 25th	11:40	SM6 - HELMHOLTZ
A10.02 - T3	678d1b7cc77ec	Switching Room Acoustics with causality-driven dual-function passive metamaterials for broadband sound absorption and diffusion	Oral	Wednesday 25th	12:00	SM6 - HELMHOLTZ
A10.02 - T5	676aa76341dab	Rotatable Phononic Crystal with Multiresonant Scatterers for acoustic switching applications	Oral	Thursday 26th	10:40	SM3 - BERANEK
A10.02 - T6	6794edfde41f0	Additive Manufacture of Flexible Lattice Absorbers for Enhanced Low Frequency Performance	Oral	Thursday 26th	11:00	SM3 - BERANEK
A10.02 - T7	67968f70638d0	Tunable Envelope Solitons in a Piezoelectric Metamaterial Obeying the Nonlinear Schrödinger Equation	Oral	Thursday 26th	11:20	SM3 - BERANEK
A10.02 - T8	672b3d94af3a7	Optimizing locally resonant elements distribution on isotropic plate for increased sound insulation and mass reduction	Oral	Thursday 26th	11:40	SM3 - BERANEK
A10.02 - P1	67953492ba69f	Initial Analytical Attempts to Handle the Sound Absorption using Segmented Oblique Perforations	Poster	Wednesday	Afternoon	
A10.02 - P2	677e82752315e	Transfer matrix modelling of folded quarter-wavelength resonators with multiple bends	Poster	Wednesday	Afternoon	

### Session Title: A10.03 Metamaterials for noise and vibration reduction: novel applications and experimental methods

Organizers: E. Deckers, L. Van Belle, E. Shabalina, J. Cuenca

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A10.03 - T1	6789286e49edd	Reduced-order modeling analysis of random geometric changes on the vibroacoustic behavior of metamaterials	Oral	Monday 23rd	16:20	SM2 - MORSE
A10.03 - T2	67935c3b307a5	Shape optimization of inertia-amplified mechanical resonators for vibration damping of mounted plate.	Oral	Monday 23rd	16:40	SM2 - MORSE
A10.03 - T3	678e53db849a8	Design and experimental characterization of multi-modal metamaterial panels achieving broadband sound transmission and radiation reduction	Oral	Monday 23rd	17:00	SM2 - MORSE
A10.03 - T4	678e6293a0c57	Psychoacoustical design optimization for acoustic metamaterials using global sensitivity analysis	Oral	Monday 23rd	17:20	SM2 - MORSE
A10.03 - T5	678e6a6055097	Experimental Method for Acoustic Performance Study of Phononic Crystals-Based Ventilated Noise Barriers	Oral	Monday 23rd	17:40	SM2 - MORSE
A10.03 - T6	678d14123c6ee	Validating the use of acoustic metamaterials in industrial applications for low-frequency noise reduction	Oral	Monday 23rd	18:00	SM2 - MORSE
A10.03 - T7	6784ec73c17c1	Reciprocity Driven Omni-directional Absorption	Oral	Monday 23rd	18:20	SM2 - MORSE
A10.03 - T8	678696921e157	Multi-Frequency Noise Attenuation Using Modular Sonic Crystal with Porous and Resonant Elements	Oral	Tuesday 24th	11:00	SM1 - BÉKÉSY
A10.03 - T9	6793b90b60e7f	Comparative Analysis of Lightweight Metamaterial Partitions for Enhanced Acoustic Performance and Perceptual Sound Evaluation	Oral	Tuesday 24th	11:20	SM1 - BÉKÉSY
A10.03 - T10	67966fadcb5fe	Hierarchical labyrinthine metamaterials for low frequency noise absorption applications	Oral	Tuesday 24th	11:40	SM1 - BÉKÉSY
A10.03 - T11	6796781773ef9	The Influence of Sample Size on Insulation Measurement Results in Small Coupled Reverberation Chamber	Oral	Tuesday 24th	12:00	SM1 - BÉKÉSY
A10.03 - T12	67654277f3c86	Injection moulded locally resonant rings for vibration mitigation in pipes	Oral	Thursday 26th	9:00	SM3 - BERANEK
A10.03 - T13	6792c3f24a4b6	Investigating relationships between manufacturing parameters, geometrical accuracy and vibrational properties of Selective Laser Sintered PA-12 beams	Oral	Thursday 26th	9:20	SM3 - BERANEK
A10.03 - T14	6794c3e9bb19d	Quantifying the impact of injection molding process parameters on the vibroacoustic performance of manufactured locally resonant metamaterials	Oral	Thursday 26th	9:40	SM3 - BERANEK
A10.03 - T15	678a5478b3c91	Using 3D printed labyrinthine inclusions to improve the low-frequency performance of a thin, conventional sound absorbing panel	Oral	Thursday 26th	10:00	SM3 - BERANEK
A10.03 - P1	67962c788aa4c	Rainbow-Trapping Resonator Array for Enhanced Absorption at High Sound Pressure Levels	Poster	Tuesday	Afternoon	

**Session Title: A10.04/A08.04 Materials and systems for noise and vibration control**

Organizers: F. Pompoli, J. Carbalho San Martin, J. Arenas

**Please see MT08****Session Title: A10.05/A23.05 Metamaterials and acoustic black holes in vibro-acoustics**

Organizers: J. Deng, F. Gautier, W. Jeon

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A10.05/A23.05 - T1	67509f0d33a01	Additive acoustic black holes to suppress acoustic energy in a resonant cavity	Oral	Monday 23rd	12:00	SM2 - MORSE
A10.05/A23.05 - T2	677e7cbd46bb3	Predicting the acoustic response of a resonant cavity coupled to sonic black holes by means of patch transfer functions	Oral	Monday 23rd	12:20	SM2 - MORSE
A10.05/A23.05 - T3	6785fa612b8d7	Ultra-thin and Ultra-lightweight Meta-panel for Broadband Noise Insulation	Oral	Monday 23rd	12:40	SM2 - MORSE
A10.05/A23.05 - T4	6785fccd2d323	Ventilated acoustic metamaterial for noise reduction in a duct with non-uniform cross sections	Oral	Monday 23rd	13:00	SM2 - MORSE
A10.05/A23.05 - T5	678c9d1c801c9	Design of a metamaterial plate with acoustic black hole absorbers and its application to floating raft system	Oral	Tuesday 24th	9:00	SM1 - BÉKÉSY
A10.05/A23.05 - T6	678f6ebf7d6d5	Effects of acoustic black hole pillars on the acoustic energy of a water-filled cavity	Oral	Tuesday 24th	9:20	SM1 - BÉKÉSY
A10.05/A23.05 - T7	6793a8a2506d7	Vibration control in a honeycomb sandwich metapanel made up of periodic cells with an ABH-like thickness profile	Oral	Tuesday 24th	9:40	SM1 - BÉKÉSY
A10.05/A23.05 - T8	6793cc43cbd2c	Absorption and scattering of bending waves by an Acoustic Black Hole embedded in a honeycomb sandwich panel	Oral	Tuesday 24th	10:00	SM1 - BÉKÉSY
A10.05/A23.05 - T9	6793ce68f186a	Efficiency of an Acoustic Black hole embedded into a honeycomb sandwich panel	Oral	Tuesday 24th	10:20	SM1 - BÉKÉSY

**Session Title: A19.05/A10.06 Numerical methods for acoustic materials and metamaterials**

Organizers: L. Godinho, O. Dazel

**Please see MT19**

**Session Title: A10.07/A15.07 Characterization of Acoustic Materials**

Organizers: M. Nolan, F. Chevillotte, L. Jaouen

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A10.07/A15.07 - T1	6787a9b73e13f	Combining absorption coefficient measurements in reverberation rooms with different volumes	Oral	Wednesday 25th	9:00	SC1-1 -EULER
A10.07/A15.07 - T2	6796a22fb46a3	Analysis of the relationship between sound field isotropy and errors in the results of Sabine's absorption coefficient	Oral	Wednesday 25th	9:20	SC1-1 -EULER
A10.07/A15.07 - T3	6794f8c697d0b	Estimating the impedance of a material sample at low frequencies	Oral	Wednesday 25th	9:40	SC1-1 -EULER
A10.07/A15.07 - T4	6763e029897f0	The measurement of the sound absorption of an array of baffles	Oral	Wednesday 25th	10:00	SC1-1 -EULER
A10.07/A15.07 - T5	67924ebb24368	A data-driven two-microphone method for measuring the sound absorption of finite absorbers	Oral	Wednesday 25th	10:20	SC1-1 -EULER
A10.07/A15.07 - T6	6794f5fc94430	Diffusion equation-based estimation of spatially non-uniform real-valued surface impedance	Oral	Wednesday 25th	16:20	SC2-2 - KIRCHER
A10.07/A15.07 - T7	679610727a177	Comparison of two measurement tools for absorption coefficient of various types of materials	Oral	Wednesday 25th	16:40	SC2-2 - KIRCHER
A10.07/A15.07 - T8	67961456967a8	An experimental data set focused on methodologies for the in situ characterization of acoustic materials	Oral	Wednesday 25th	17:00	SC2-2 - KIRCHER
A10.07/A15.07 - T9	67966f2965c1b	Measurement of sound absorption performance of wood chip-based materials for noise barriers	Oral	Wednesday 25th	17:20	SC2-2 - KIRCHER
A10.07/A15.07 - T10	678f6c4f7cb6f	Foam-formed wood fibre pulp: Comparison of foam and fibre-based models for density-dependent microstructures	Oral	Wednesday 25th	17:40	SC2-2 - KIRCHER
A10.07/A15.07 - T11	679692a50fb70	Evaluation of absorbent biomaterials with 3D sound visualization system	Oral	Wednesday 25th	18:00	SC2-2 - KIRCHER
A10.07/A15.07 - T12	679364ab45cd2	Characterization of the mechanical and acoustic behavior of raw earth coatings	Oral	Wednesday 25th	18:20	SC2-2 - KIRCHER
A10.07/A15.07 - T13	67967d277d21a	Uncertainties in parameter estimation of porous media in tube measurements	Oral	Tuesday 24th	16:40	SC2-2 - KIRCHER
A10.07/A15.07 - T14	6791250c932bf	Characterisation of acoustic metamaterials allowing airflow	Oral	Tuesday 24th	17:00	SC2-2 - KIRCHER
A10.07/A15.07 - T15	678e1f0c458e2	Multi-Density Inversion Characterisation Method for Fibrous Material	Oral	Tuesday 24th	17:20	SC2-2 - KIRCHER
A10.07/A15.07 - T16	67924bcd9218b	Measurements and simulations of a double-porosity material under variation of perforation parameters	Oral	Tuesday 24th	17:40	SC2-2 - KIRCHER
A10.07/A15.07 - T17	6793f22d56c25	A novel algorithm for estimating Biot parameters in acoustic simulation of fibrous materials based on raw material composition	Oral	Tuesday 24th	18:00	SC2-2 - KIRCHER
A10.07/A15.07 - T18	67953f3109d6d	A multi-modal analysis of anisotropy in porous media	Oral	Tuesday 24th	18:20	SC2-2 - KIRCHER
<b>A10.07/A15.07 - P1</b>	<b>677e52203cc5a</b>	<b>Streaming over Micro-Perforated walls submitted to acoustic plane wave</b>	<b>Poster</b>		Tuesday Morning	
<b>A10.07/A15.07 - P2</b>	<b>678906e84c7e2</b>	<b>Method for assessing the impact of aging of selected building materials on their acoustic properties.</b>	<b>Poster</b>		Tuesday Morning	
<b>A10.07/A15.07 - P3</b>	<b>678feed1d74cb</b>	<b>Impact of Moisture Content on the Acoustic Properties of Nonwoven Textiles</b>	<b>Poster</b>		Tuesday Morning	
<b>A10.07/A15.07 - P4</b>	<b>67938bd215d77</b>	<b>Study of some influences on the acoustic behaviour of disintegrated samples of used cigarettes</b>	<b>Poster</b>		Tuesday Morning	
<b>A10.07/A15.07 - P5</b>	<b>678fd6ed86a68</b>	<b>A practical approach to the determination of reproducibility precision (<math>\sigma_{target}</math>) in the field of sound absorption measurements: Evaluation of Proficiency Testing data according to ISO 354:2003</b>	<b>Poster</b>		Tuesday Morning	
<b>A10.07/A15.07 - P6</b>	<b>6792c5ad40bfe</b>	<b>Acoustic characteristics of a hydroponic material</b>	<b>Poster</b>		Tuesday Morning	

**Session Title: A10.08 Modeling acoustic wave propagation in viscothermal structures, including porous materials**

Organizers: T. Bravo, M. Nolan, L. Jaouen, C.Maury

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A10.08 - T1	6796778756583	Boundary Element Method with visco-thermal losses: development, improvements and applications	Oral	Wednesday 25th	14:20	SM5 - SCHROEDER
A10.08 - T2	678555ff2c3c4	Low-drag rainbow-trapping filters for broadband sound dissipation in a low-speed ducted flow	Oral	Wednesday 25th	14:40	SM5 - SCHROEDER
A10.08 - T3	6787bf603df2d	Tunable Microperforated Panel Acoustic Absorbers with Coupling Effects Under Grazing Flow	Oral	Wednesday 25th	15:00	SM5 - SCHROEDER
A10.08 - T4	6793c2c6474ad	Optimising sound absorption in low frequencies for vegetal wools : consideration of fiber polydispersity	Oral	Wednesday 25th	15:20	SM5 - SCHROEDER
A10.08 - T5	679523f1bc7d2	Identification and evaluation of methods for modelling the impact of bio-based fire retardant treatments on the acoustic performance of hemp wools	Oral	Wednesday 25th	15:40	SM5 - SCHROEDER
A10.08 - T6	6785537d3218d	Multi-functional rainbow trapping filters for particle acoustic agglomeration	Oral	Wednesday 25th	16:00	SM5 - SCHROEDER
<b>A10.08 - P1</b>	<b>678a5cecc2930</b>	<b>Multi-resonant material based on channels with contrasting tortuosity</b>	<b>Poster</b>		Wednesday Morning	

**Session Title: A10.09/A12.10 Acoustic wave propagation in complex media**

Organizers: V. Romero-Garcia, T. Valier-Brazier

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A10.09/A12.10 - T1	6790bfb66e056	Numerical simulations of elastic wave propagation in solid materials containing a random distribution of spherical particles	Oral	Monday 23rd	14:20	SM2 - MORSE
A10.09/A12.10 - T2	6793c8c503b1d	Dynamic Wave Manipulation in Spatiotemporal Interfaces and Slabs for Acoustic Control	Oral	Monday 23rd	14:40	SM2 - MORSE
A10.09/A12.10 - T3	67967845df127	Ultrasonic Hologram for Bi-directional Diffusion by Phase Controlling the Scattering Coefficients	Oral	Monday 23rd	15:00	SM2 - MORSE
A10.09/A12.10 - T4	6796799fe4b08	Conditions for weak scattering and the Born approximation in beams with multiple resonators	Oral	Monday 23rd	15:20	SM2 - MORSE
A10.09/A12.10 - T5	679683e4c72ea	Basic theory of sound propagation in a metamaterial formed by multipole resonators	Oral	Monday 23rd	15:40	SM2 - MORSE

**Session Title: A19.08/A10.10 Numerical methods for wave propagation in complex media**

Organizers: A. Prieto-Aneiros, P. Amado-Mendes

**Please see MT19**

## MT11 - MUSICAL ACOUSTICS

MT11 Organizers: Vasileios Chatzioannou, Michele Ducceschi and Vincent Debut

### Session Title: A11.01 General

Organizers: V. Chatzioannou, M. Ducceschi, V. Debut

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A11.01 - T1	678ba340c2a1b	Acoustical Behaviour of Vent Holes on Brasswind Instruments	Oral	Wednesday 25th	16:40	SC1-4 - SABINE
A11.01 - T2	6787791548261	Embouchure Parameter Variations Across Brass Musicians and Application in Augmented Instruments Using a Digital Mouthpiece	Oral	Wednesday 25th	17:00	SC1-4 - SABINE
A11.01 - T3	679257327aa84	Modal approaches for modelling nonlinear acoustics in 2D axisymmetric domains: application to brass instruments	Oral	Wednesday 25th	17:20	SC1-4 - SABINE
A11.01 - T4	679396eb55a40	Estimating sound radiation characteristics of complex-shaped plates using reduced sets of elementary sources	Oral	Wednesday 25th	17:40	SC1-4 - SABINE
A11.01 - T5	678d09b8abe9e	Effects of Different Auditory Monitoring Conditions on Vocal Intonation Accuracy	Oral	Wednesday 25th	18:00	SC1-4 - SABINE
A11.01 - T6	678ec29875229	Absolute Pitch among non-global possessors - Timbre and Categorization	Oral	Wednesday 25th	18:20	SC1-4 - SABINE
A11.01 - P1	6789f373c4e54	A measurement system to capture the player's control in the natural playing condition of single-reed musical instruments: Application to the performance log of a beginner player	Poster			Wednesday Morning

### Session Title: A11.02/A09.08 Artificial intelligence in Musical Acoustics

Organizers: Mirco Pezzoli, Riccardo Russo

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A11.02/A09.08 - T1	67964a342ce18	A procedure for evaluating the softness of sound played on the Clarinets	Oral	Wednesday 25th	14:20	SC1-4 - SABINE
A11.02/A09.08 - T2	6790b17fb95ae	Psychoacoustic Analysis of Viscoelastically Damped Membranes Using Physics-Informed Machine Learning	Oral	Wednesday 25th	14:40	SC1-4 - SABINE
A11.02/A09.08 - T3	677a754d2ee94	The Revolution is Here: Deep Audio Processing Redefines Offline and Real-Time Audio Experiences	Oral	Wednesday 25th	15:00	SC1-4 - SABINE
A11.02/A09.08 - P1	679410ae035a6	Individual violin sound identification using audio features and machine learning	Poster			Wednesday Morning
A11.02/A09.08 - P2	678c198f07592	A Data-Driven Transfer Matrix Model for the Design of Saxophone Mouthpieces	Poster			Wednesday Morning

### Session Title: A11.03 Consistency of musical instrument making

Organizers: L. Ausiello, J.-P. Dalmont

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A11.03 - T1	678a7f922fd5e	Evaluating the reproducibility of impedance measurements of wind instruments	Oral	Wednesday 25th	15:20	SC1-4 - SABINE
A11.03 - T2	67867fc48185b	Assessing the consistency of numerical models for wind instrument impedance	Oral	Wednesday 25th	15:40	SC1-4 - SABINE
A11.03 - T3	679255d4e5017	Is it possible to predict single cane reed mouthpiece interaction by measuring the reed alone?	Oral	Wednesday 25th	16:00	SC1-4 - SABINE
A11.03 - P1	6792fcacd8aa0	Reproducibility in the construction of traditional wooden and 3D-printed plastic soundboards for string instruments	Poster			Wednesday Morning
A11.03 - P2	678ae54b0d804	Design, Construction, and Acoustic Characterization of a Fully Functional 3D-Printed Guitar	Poster			Wednesday Morning
A11.03 - P3	678ae580a0e3b	Perceptual Comparison Between a Low-Cost Guitar and a PLA+ 3D-Printed Guitar	Poster			Wednesday Morning
A11.03 - P4	678690bf34baf	Numerical design of a trumpet lead pipe: from the numerical model to the evaluation of the hardware prototype	Poster			Wednesday Morning

**Session Title: A11.04 Articulated musical instrument modelling**

Organizers: M. van Walstijn, V. Chatzioannou

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A11.04 - T1	67923ee4204a8	Real-time bowing parameter sensing methods for articulated bow-string physical modelling	Oral	Tuesday 24th	14:20	SC1-4 - SABINE
A11.04 - T2	678a3e4ba1f96	A two-register haptic interface for articulated control of harpsichord physical models	Oral	Tuesday 24th	14:40	SC1-4 - SABINE
A11.04 - T3	6792107a31579	Real-time demonstrators to exhibit, investigate and teach transient behaviors in nonlinear dynamics, focused on musical instruments	Oral	Tuesday 24th	15:00	SC1-4 - SABINE
A11.04 - T4	679218d5926eb	Influence of the basins of attraction in the register jumps of the clarinet	Oral	Tuesday 24th	15:20	SC1-4 - SABINE
A11.04 - T5	6794fe0cea18c	Imaging based saxophone reed modelling	Oral	Tuesday 24th	15:40	SC1-4 - SABINE
A11.04 - T6	6795ff3a5541c	Vocal tract turbulence and recorder sound – a CFD approach	Oral	Tuesday 24th	16:00	SC1-4 - SABINE
A11.04 - T7	677e403f09f31	Multistability and transients of a soprano trombone	Oral	Tuesday 24th	16:20	SC1-4 - SABINE

**Session Title: A11.05 Instruments, Hyperinstruments and beyond**

Organizers: A. M. Barbancho, S. Guillén

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A11.05 - T1	6794b987018a1	The DIY MidiMbira: Bridging Traditional Playability and MIDI Technology for Pedagogy, Innovation, and Performative Practice	Oral	Tuesday 24th	9:00	SC1-4 - SABINE
A11.05 - T2	67851458b4393	Musical Acoustics students faced with the challenge of building new musical instruments	Oral	Tuesday 24th	9:20	SC1-4 - SABINE
A11.05 - T3	678513666ad05	What do bells made from lunar regoliths sound like?	Oral	Tuesday 24th	9:40	SC1-4 - SABINE
A11.05 - T4	67850447b1224	Acoustic Design of a Dual-Purpose Sound Tube Organ	Oral	Tuesday 24th	10:00	SC1-4 - SABINE
A11.05 - P1	67815bde9cf68	Enhancing Music Visualization with Haptic Feedback to Ease Perception for DHH Listeners	Poster			Wednesday Morning
A11.05 - P2	675b55b7a52cf	MeloPad, a portable device for music composition based on the Bela audio and interaction platform	Poster			Wednesday Morning
A11.05 - P3	67946ae10be33	Alfonso and Theresa: Merging Traditional Lutherie with Modern Electronics in the Design of an Expanded Lute and Contrabass	Poster			Wednesday Morning

**Session Title: A24.07/A11.06 Networked music performances and virtual environments**

Organizers: J. Sastre, S. Willemsen

Please see MT24

## MT12 - PHYSICAL ACOUSTICS AND ULTRASOUND

MT12 Organizers: Lynda Chehami, Óscar Martínez -Graullera and Noé Jiménez

### Session Title: A12.01 General

Organizers: N. Declercq, N. Jimenez

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A12.01 - T1	6793710162565	Ultrasonic Imaging for Quantifying Microplastic Concentrations in Liquids	Oral	Wednesday 25th	17:40	SM5 - SCHROEDER
A12.01 - T2	67966903773de	Ultrasonic intensification reactor applied to the agri-food and pharmaceutical industry	Oral	Wednesday 25th	18:00	SM5 - SCHROEDER
A12.01 - P1	67966a6236098	Preliminary study on theoretical corrections to the equation of state in SBSL and extension of the minimum radius stage	Poster			Wednesday Morning

### Session Title: A12.02 NDT&SHM Applications

Organizers: L. Chehami, M. Ben Tahar, M. Ech-Cherif El-Kettani, G. Cosarinsky

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A12.02 - T1	678620f0e8f29	Modelling of the Acoustic Emission (AE) wave propagation using the AE transmitting sensors' responses	Oral	Monday 23rd	14:20	SC1-4 - SABINE
A12.02 - T2	67890ae0f32da	Adaptive 3D Plane Wave Imaging through interfaces	Oral	Monday 23rd	14:40	SC1-4 - SABINE
A12.02 - T3	6793abf569dfc	Ultrasonic pulse-echo system for measuring the inter-plate distance of an irradiated fuel element	Oral	Monday 23rd	15:00	SC1-4 - SABINE
A12.02 - T4	679667a30d28d	Impact of phase anisotropy-related shifts on the contrast of defect localization images in reverberant plates	Oral	Monday 23rd	15:20	SC1-4 - SABINE
A12.02 - T5	6799063ccc8f1	VISCOELASTIC MODEL: THE MEMORY OF CEMENT	Oral	Monday 23rd	15:40	SC1-4 - SABINE
A12.02 - P1	6799053c83094	Acoustic Resonance Spectroscopy Using FBG Sensors Embedded in Mortars	Poster			Tuesday Morning
A12.02 - P2	67964503600f5	Characterization of the adhesion quality in an aeronautical assembly by acoustic microscopy	Poster			Tuesday Morning
A12.02 - P3	67bde88365d45	Ultrasonic imaging of layer on substrate structures using high-frequency acoustic field correlation	Poster			Tuesday Morning

### Session Title: A12.03 Biomedical ultrasound

Organizers: O. Martínez, G. Rus, J. Camacho, M. Pérez-Liva

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A12.03 - T1	67939eb232b78	DESIGNING ACOUSTIC HOLOGRAMS WITHOUT IONISING RADIATION FOR WEARABLE TRANSCRANIAL ULTRASOUND THERAPY DEVICES	Oral	Wednesday 25th	11:20	SC1-4 - SABINE
A12.03 - T2	678e623c2ec44	Generating acoustic holograms beyond the hyperbolic approximation	Oral	Wednesday 25th	11:40	SC1-4 - SABINE
A12.03 - T3	67923921b9504	Sparse Arrays for 3D Ultrasound Microstructure Imaging	Oral	Wednesday 25th	12:00	SC1-4 - SABINE
A12.03 - T4	6786796759a53	Can acoustic vortices fragment kidney stones?	Oral	Wednesday 25th	9:00	SM5 - SCHROEDER
A12.03 - T5	67924730092e6	Blood-brain-barrier opening in small animals using focused ultrasound	Oral	Wednesday 25th	9:20	SM5 - SCHROEDER
A12.03 - T6	6788ea17b78e8	Non-Invasive and Low-Cost Photoacoustic/Ultrasound Dual-Modal Imaging System for Carotid Plaque Imaging	Oral	Wednesday 25th	9:40	SM5 - SCHROEDER
A12.03 - T7	67939fd52d10b	Impact of spatiotemporal excitation parameters in laser diode-based photoacoustic microscopy	Oral	Wednesday 25th	10:00	SM5 - SCHROEDER
A12.03 - P1	6793a3cbc56c7	Modular and flexible hardware architecture for real-time 3D ultrasound imaging	Poster			Wednesday Afternoon
A12.03 - P2	6788d9214e12d	Numerical Framework for Deep Learning Photoacoustics Image Reconstruction	Poster			Wednesday Afternoon

**Session Title: A12.07 Acousto-optics**  
 Organizers: S. Dupont, J. Vanhamel, M. Duocastella

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A12.07 - T1	673af597a3313	Towards broadband lateral BAW excitation in a low-velocity anisotropic substrate	Oral	Monday 23rd	16:20	SC1-4 - SABINE
A12.07 - T2	673b0ffccba91	Uncertainty relations for broadband ultrasonic waveforms: the case of acousto-optic femtosecond laser pulse shaping	Oral	Monday 23rd	16:40	SC1-4 - SABINE
A12.07 - T3	6762a9124cd6f	Characterization of optoelectronic oscillator based on collinear acousto-optic cell	Oral	Monday 23rd	17:00	SC1-4 - SABINE
A12.07 - T4	678e26dd3dbb3	Acousto-optic spatial frequency filter with phase control for reconfigurable dark optical traps	Oral	Monday 23rd	17:20	SC1-4 - SABINE
A12.07 - T5	678f8cef3442d	Tailored ultrasound fields for acousto-optic light control directly within a sample	Oral	Monday 23rd	17:40	SC1-4 - SABINE
A12.07 - T6	679685c1530df	Enhancing Eye Imaging Modalities with Acousto-optic Interaction	Oral	Monday 23rd	18:00	SC1-4 - SABINE
A12.07 - T7	6772e12ce0edc	Recording neuronal activity in 3D using calcium and voltage genetically encoded indicators	Oral	Monday 23rd	18:20	SC1-4 - SABINE
<b>A12.07 - P1</b>	<b>6793b5835aa63</b>	<b>Design and validation of a multi-electrode acousto-optic filtre for spectro-polarimetry analysis</b>	<b>Poster</b>			Tuesday Morning
<b>A12.07 - P2</b>	<b>6793b72f035b6</b>	<b>Use of optimization algorithm and analytical modeling to extract key parameters of off-the-shelf component</b>	<b>Poster</b>			Tuesday Morning
<b>A12.07 - P3</b>	<b>67968f3067ae2</b>	<b>Exploiting the acousto-optic effect for advanced optical microscopy</b>	<b>Poster</b>			Tuesday Morning

## MT13 - PHYSIOLOGICAL AND AUDIOLOGICAL ACOUSTICS

MT13 Organizers: Deborah Vickers, Maria Milagros J. Fumero and Miriam Isabel Marrufo Pérez

### Session Title: A13.04 Advancements and Challenges in Military Acoustics: Physiological and Audiological Perspectives

Organizers: Nir Fink and Marian Weger

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A13.04 - T1	6784eaca0a1a7	Two hybrid directivity models of muzzle blasts to describe the frequency and distance dependency	Oral	Monday 23rd	12:00	SC1-3 - RAYLEIGH
A13.04 - T2	676035d6aabb3	Virtual and experimental acoustical comfort testers for earplugs	Oral	Monday 23rd	12:20	SC1-3 - RAYLEIGH
A13.04 - T3	679265db32d90	Auditory damage risk due to indoor and outdoor shooting	Oral	Monday 23rd	12:40	SC1-3 - RAYLEIGH
A13.04 - T4	679549aa8fb02	Beyond the standard audiogram: a comprehensive audiological assessment of combat noise auditory trauma	Oral	Monday 23rd	13:00	SC1-3 - RAYLEIGH
A13.04 - T5	6786ae422a1ba	Squad-level operational performance under varying hearing protection devices and simulated hearing loss	Oral	Monday 23rd	16:20	SC1-3 - RAYLEIGH
A13.04 - T6	6788e4953e08c	Impact of Acoustic Test Fixture Ear Stiffness on Earplug Attenuation of Impulsive Sounds.	Oral	Monday 23rd	16:40	SC1-3 - RAYLEIGH
A13.04 - T7	678a30ee78fcc	Examining Differences in Sound Attenuation Levels Using Objective and Subjective Tests at Different Hearing Protection Levels	Oral	Monday 23rd	17:00	SC1-3 - RAYLEIGH
A13.04 - T8	679688ea3e7d4	The importance of binaural hearing for maintaining operational effectiveness in military environments	Oral	Monday 23rd	17:20	SC1-3 - RAYLEIGH
A13.04 - T9	678f37896a3f3	Development and Evaluation of a Sound-Enhancing Connection Tube for Improved Localization with Hearing Protection Devices	Oral	Monday 23rd	17:40	SC1-3 - RAYLEIGH
A13.04 - T10	6787d30629618	Design and Analysis of Mobile Microphone Arrays for Acoustic Drone Tracking	Oral	Monday 23rd	18:00	SC1-3 - RAYLEIGH
A13.04 - T11	6796b272e3f10	Acoustic Detection of Drones: A Machine Learning and Psychoacoustic Approach	Oral	Monday 23rd	18:20	SC1-3 - RAYLEIGH
A13.04 - P1	6786b380bdc5e	Investigating the Impacts of Cockpit Noise Exposure on Human Decision-Making	Poster			Tuesday Afternoon
A13.04 - P2	6787bdc979c64	Comparison of REAT and insertion loss measurements using headphone audiometry	Poster			Tuesday Afternoon
A13.04 - P3	6796714d7eed0	The Relationship Between Damage Risk Criteria for Impulse Noise Explained by Simple Acoustical Descriptors	Poster			Tuesday Afternoon

### Session Title: A13.05 Asymmetric hearing loss - clinical solutions and functionality

Organizers: Ben Williges and Stefan Zirn

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A13.05 - T1	6796695f589af	Speech intelligibility in noise of single-sided deaf cochlear implant users for near and distant talkers	Oral	Wednesday 25th	14:20	SC1-3 - RAYLEIGH
A13.05 - T2	6784f91bc4dfa	Effect of reducing the static interaural time difference in bimodal listeners	Oral	Wednesday 25th	14:40	SC1-3 - RAYLEIGH
A13.05 - T3	678e7eae83714	Directional microphones for bimodal cochlear implant users	Oral	Wednesday 25th	15:00	SC1-3 - RAYLEIGH
A13.05 - T4	679354f213804	Better-Ear-listening vs combining information across ears in asymmetric hearing	Oral	Wednesday 25th	15:20	SC1-3 - RAYLEIGH
A13.05 - T5	679684b27ff78	Speech perception and sound localization in CI subjects with electric-acoustic stimulation and contralateral normal hearing	Oral	Wednesday 25th	15:40	SC1-3 - RAYLEIGH

**Session Title: A13.06 Audiology diagnostic techniques**

Organizers: Jaime Undurraga and Miguel Tembouy Gutierrez

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A13.06 - T1	67615ab40058c	Evaluating test time in simultaneously recorded ABRs	Oral	Monday 23rd	14:20	SC1-3 - RAYLEIGH
A13.06 - T2	67912a86b6a62	Diagnosing hearing loss using air- and bone-conducted parallel auditory brainstem responses	Oral	Monday 23rd	14:40	SC1-3 - RAYLEIGH
A13.06 - T3	6791181474759	The binaural interaction component is enhanced with chirps relative to clicks and produces better behavioral lateralization	Oral	Monday 23rd	15:00	SC1-3 - RAYLEIGH
A13.06 - T4	678e27d0768c6	A Pilot Study on Assessing Auditory Masking Using Auditory Steady-State Responses.	Oral	Monday 23rd	15:20	SC1-3 - RAYLEIGH
A13.06 - T5	679683172fdc0	How frequency-based processing may help clinicians improve sound quality perception in cochlear implant users?	Oral	Monday 23rd	15:40	SC1-3 - RAYLEIGH
A13.06 - T6	678fe84a79805	Evaluation of Hyperacusis and Loudness Estimates as part of an Extended Audiological Test Battery	Oral	Wednesday 25th	16:20	SC1-3 - RAYLEIGH
A13.06 - T7	6788f28cd5312	Advancing Objective Assessment of Spectral Discrimination using EEG: Amplitude Roving Minimizes Loudness Confounds	Oral	Wednesday 25th	16:40	SC1-3 - RAYLEIGH
A13.06 - T8	67910880cf98a	Quantifying Subcortical EEG Responses Akin to ABR Wave V When Listening to Continuous Speech: Status and Directions	Oral	Wednesday 25th	17:00	SC1-3 - RAYLEIGH
A13.06 - T9	6798fd471ab36	Optimising parameters for measuring the Acoustic Change Complex (ACC) with amplitude-modulated and speech-based stimuli using a clinical evoked potential system	Oral	Wednesday 25th	17:20	SC1-3 - RAYLEIGH
A13.06 - T10	677f78a0c01d9	Alterations in steady-state synchronisation between Acute and Chronic Tinnitus suggests reduction in the neural correlates of tinnitus over time	Oral	Wednesday 25th	17:40	SC1-3 - RAYLEIGH
A13.06 - T11	678ff55b84262	Numerical analysis of minimum resonance bandwidths in input impedances of human ear canals	Oral	Wednesday 25th	18:00	SC1-3 - RAYLEIGH
A13.06 - T12	6791001303953	Comparative analysis of free-field and headphone-based spatial listening using Electroencephalography	Oral	Wednesday 25th	18:20	SC1-3 - RAYLEIGH
A13.06 - P1	67935311de7c5	Evaluation of Microphone Nonlinearities in Probes for Measurement of Otoacoustic Emissions	Poster			Tuesday Afternoon
A13.06 - P2	6793553e9c037	Longitudinal and cross-sectional neurocognitive study of acoustic-perceptual abilities and linguistic function in preterm infants	Poster			Tuesday Afternoon

## MT14 - PSYCHOACOUSTICS

MT14 Organizers: Piotr Majdak, Nicola Prodi and Philipp Aichinger

Session Title: A14.01 General						
Organizers: P. Majdak, N. Prodi, P. Aichinger						
ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A14.01 - T1	6789692f6dfa0	Binaural fusion as a special case of auditory object formation	Oral	Monday 23rd	12:00	SM3 - BERANEK
A14.01 - T2	676481c71924f	Modeling fluctuation strength based on the Sottek Hearing Model	Oral	Monday 23rd	12:20	SM3 - BERANEK
A14.01 - T3	678519ad063d2	Does a frequency mismatch between infrasound and modulator affect their interaction?	Oral	Monday 23rd	12:40	SM3 - BERANEK
A14.01 - T4	6786749dd008f	A study on a real difference of sound level in working modes of a modern household appliance, by the example of refrigerators using an inverter compressor.	Oral	Monday 23rd	13:00	SM3 - BERANEK
A14.01 - T5	67879f60e062a	The effects of binaural beats on working memory performance and the role of audibility.	Oral	Monday 23rd	14:20	SM3 - BERANEK
A14.01 - T6	676c0887ceed7	Psychoacoustics of Remixing Music: Catering to Hard-of-Hearing and Typical-Hearing Audiences with AI and Signal Processing Techniques for Enhanced Experiences	Oral	Monday 23rd	14:40	SM3 - BERANEK
A14.01 - T7	678a8e203c9f5	Impact of real and synthetic lip-sync-related visual cues on speech intelligibility in a highly reverberant conference hall	Oral	Monday 23rd	15:00	SM3 - BERANEK
A14.01 - T8	678e34e785266	Modelling the interaction of infrasound and low-frequency sounds	Oral	Monday 23rd	15:20	SM3 - BERANEK
A14.01 - T9	678feb1625ba0	Association between inferred cochlear response functions derived from otoacoustic emissions and forward masking with speech in noise performance	Oral	Monday 23rd	15:40	SM3 - BERANEK
A14.01 - T10	6796760e0116e	Humming and rumbling: Experiments and model predictions	Oral	Monday 23rd	16:00	SM3 - BERANEK
A14.01 - T11	679661e7b8f9c	Verified implementations of the Sottek psychoacoustic Hearing Model standardised sound quality metrics (ECMA-418-2 Loudr	Oral	Monday 23rd	16:20	SM3 - BERANEK
A14.01 - P1	66fe7412127f7	EVALUATION OF THE EPISODIC AUDIOVISUAL MEMORY IN A GAMIFIED EXPERIMENT	Poster			Tuesday Morning

Session Title: A14.04 Spatial Hearing: Modeling and Applications						
Organizers: P. Majdak, A. Osse						
ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A14.04 - T1	678be599c6a49	Distance perception of nearby sources located around the listener in echoic rooms	Oral	Wednesday 25th	9:00	SM3 - BERANEK
A14.04 - T2	67962cdb15911	Towards predicting binaural audio quality in listeners with normal and impaired hearing	Oral	Wednesday 25th	9:20	SM3 - BERANEK
A14.04 - T3	67964e6faaef	Comparing Measures of Information in Head-Related Transfer Functions	Oral	Wednesday 25th	9:40	SM3 - BERANEK
A14.04 - T4	6796a70617bfe	Subjective evaluation of the first incoming reflection - revisiting and extending Barron's study	Oral	Wednesday 25th	10:00	SM3 - BERANEK
A14.04 - T5	679650296877c	On comparing auditory models and perceptual assessment when rating head-related transfer functions	Oral	Wednesday 25th	10:20	SM3 - BERANEK
A14.04 - T6	678b9ac4b76fc	Vertical Sound Localization: Influence of Age, Ear Size, Sex, and Hair	Oral	Wednesday 25th	11:00	SM3 - BERANEK
A14.04 - T7	6781142fe363b	Vertical Sound Localization: Precision and Robustness to Reverberation in a Large-Scale Study	Oral	Wednesday 25th	11:20	SM3 - BERANEK
A14.04 - T8	67642b6aaf428	Spiking neural networks for sound localization: A new perspective on illuminating spatial perception	Oral	Wednesday 25th	11:40	SM3 - BERANEK
A14.04 - T9	678fe7029df36	Does Source Directivity Influence Human Perception of Speech Position?	Oral	Wednesday 25th	12:00	SM3 - BERANEK
A14.04 - P1	678c055958e69	Binaural Localization Model for Speech in Noise	Poster			Wednesday Afternoon
A14.04 - P2	6793823be6150	Spatial Audio Models' Inventory (SAMI) to cover the SAQI attributes	Poster			Wednesday Afternoon
A14.04 - P3	67867113157f0	Spatial release from masking and listening effort: differences between binaural and free-field presentation	Poster			Wednesday Afternoon

**Session Title: A14.06 Development of semantic attributes based on psychoacoustic modelling**

Organizers: M. Engel, E. Altinsoy, S. Atamer

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A14.06 - T1	67866442e2085	Estimation of interpretable non-linear Sound Quality Metrics using Kolmogorov-Arnold Networks (KANs)	Oral	Tuesday 24th	9:00	SM2 - MORSE
A14.06 - T2	679392535814e	Psychoacoustic Modelling of AVAS Sounds: Consumer-Centric Semantic Attribute Development for Electric Vehicles	Oral	Tuesday 24th	9:20	SM2 - MORSE
A14.06 - T3	6793bf4087d02	Auditory-Perceptual and Emotional Matching with Psychoacoustic Indicators of Urban Soundscapes: A Comparative Case Study of Sonic Environments in Daycares and Playgrounds in Brazil, Germany, and the United Kingdom	Oral	Tuesday 24th	9:40	SM2 - MORSE
A14.06 - T4	67943b03db110	Comparative Analysis of Acceleration Sounds from Electric and Internal Combustion Vehicles Using Discomfort Indices	Oral	Tuesday 24th	10:00	SM2 - MORSE
A14.06 - T5	6794502866581	Quantifying and Mitigating Motion Sickness in Autonomous Vehicles through Psychoacoustic Modeling and Neurophysiological Insights	Oral	Tuesday 24th	10:20	SM2 - MORSE

**Session Title: A14.07 New trends and research for robust and unbiased psychoacoustical experimentation**

Organizers: D. de la Prida, M. Larrosa-Navarro

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A14.07 - T1	6793d5b45dfe6	On the need for homogeneous and standardized methodologies for perceptual testing in acoustics	Oral	Tuesday 24th	16:40	SM2 - MORSE
A14.07 - T2	679516323cc82	Rendering complex acoustic scenes for perception experiments	Oral	Tuesday 24th	17:00	SM2 - MORSE
A14.07 - T3	6795ae09621ec	Footstep Sounds Recording and Evaluation in Outdoor Environments	Oral	Tuesday 24th	17:20	SM2 - MORSE
A14.07 - T4	67960a56e6174	Robustness of an equal loudness paradigm to stimuli, environment and participants	Oral	Tuesday 24th	17:40	SM2 - MORSE
A14.07 - T5	67962390d8338	Influence of participant training on the discriminability of clarity changes	Oral	Tuesday 24th	18:00	SM2 - MORSE
A14.07 - T6	67963e03e47c8	Experimental Design Considerations for Proximity Perception of Binaural Action Sounds in Anechoic and Reverberant Environments	Oral	Tuesday 24th	18:20	SM2 - MORSE
A14.07 - P1	679646658b763	The Impact of Looming Sound Duration on Peripersonal Space Measurement	Poster			Tuesday Morning
A14.07 - P2	678634595d0bb	Optimal Pairwise Comparison Procedures for Psychoacoustic Evaluations	Poster			Tuesday Morning

**Session Title: A24.05/A14.08 Virtual acoustics and binaural AR in hearing research: challenges of a new paradigm**

Organizers: N. Mayer-Kahlen, A. Reyes-Lecuona

Please see MT24

**Session Title: A05.10/A14.09 Advanced air mobility noise**

Organizers: A. J. Torija Martínez &amp; M. Lotinga

**Please see MT05****Session Title: A14.10 Psychological and Physiological experiments for noise annoyance, acoustic comfort, and soundscape evaluation**

Organizers: M. Masullo and A. Taghipour

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A14.10 - T1	67853f9eb02a8	Development and psychoacoustic evaluation of a curving noise classification method	Oral	Monday 23rd	17:00	SM3 - BERANEK
A14.10 - T2	67860ea3a5ba1	Spatial Analysis of Axial Fan Psychoacoustic Metrics	Oral	Monday 23rd	17:20	SM3 - BERANEK
A14.10 - T3	678622d80d966	Measuring Human Noise Sensitivity: Psychometric Evaluation in an Online Survey	Oral	Monday 23rd	17:40	SM3 - BERANEK
A14.10 - T4	67890cef744a0	An Approach for Evaluating Time-varying Annoyance Caused by Railway Noise	Oral	Monday 23rd	18:00	SM3 - BERANEK
A14.10 - T5	678a74195adbc	Association of stress biomarkers with road traffic noise exposure and residential green: Insights from the RESTORE study	Oral	Monday 23rd	18:20	SM3 - BERANEK
A14.10 - T6	678fa70149199	Experimental design to map brain areas involved in sound recognition process	Oral	Wednesday 25th	17:00	SM3 - BERANEK
A14.10 - T7	679238cf7c10d	Annoyance of shooting sounds: Re-evaluation of ISO/PAS 1996-3 penalty procedure	Oral	Wednesday 25th	17:20	SM3 - BERANEK
A14.10 - T8	6793c149eb4ba	Drone pass-by noise perception across various urban environments settings	Oral	Wednesday 25th	17:40	SM3 - BERANEK
A14.10 - T9	678a569421038	Quieter vehicles result in riskier street-crossing decisions	Oral	Wednesday 25th	18:00	SM3 - BERANEK
A14.10 - T10	67922adb0da48	Noise sensitivity in daily life: survey on sound perception, impact of challenging and positive acoustic environments, and experiences asking for changes.	Oral	Wednesday 25th	18:20	SM3 - BERANEK
A14.10 - P1	6794bfb6160d7	<b>The role of sound valence in shaping taste perception across different sound environment</b>	Poster			Tuesday Morning
A14.10 - P2	677c13fa7ad2a	<b>Investigation into the Effect of Horizontal Source Direction on Psychoacoustic Annoyance</b>	Poster			Tuesday Morning

## MT15 - ROOM ACOUSTICS

MT15 Organizers: Monika Rychtarikova, Ingo Witew and Melanie Nolan

### Session Title: A15.01 General

Organizers: M. Rychtarikova, I. Witew and M. Nolan

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A15.01 - T1	678539a0c1d14	Measurement of room acoustic parameters with an omnidirectional parametric loudspeaker in a converted chapel for choral music performance	Oral	Tuesday 24th	14:20	SC2-2 - KIRCHER
A15.01 - T2	677ff30280e66	Speech Intelligibility Evaluation and Acoustic Performance Enhancement in the Plenary Hall of the Madrid Assembly: A Combined Approach of Traditional and AI-based Methods	Oral	Tuesday 24th	14:40	SC2-2 - KIRCHER
A15.01 - T3	6792360fb7ee9	Large public database of room acoustic responses	Oral	Tuesday 24th	15:00	SC2-2 - KIRCHER
A15.01 - T4	67958babd9f9b	Evaluation of Acoustic Improvements in University Lecture Halls Using Melamine Foam with Varying Thickness	Oral	Tuesday 24th	15:20	SC2-2 - KIRCHER
A15.01 - T5	6776b96182eb7	Acoustic characterization of Theater Ribeiro Conceição (Lamego, Portugal)	Oral	Tuesday 24th	15:40	SC2-2 - KIRCHER
A15.01 - T6	678cc411151e	Acoustic characteristics of Gugak (Korea Music) instruments and practice rooms	Oral	Tuesday 24th	16:00	SC2-2 - KIRCHER
A15.01 - P1	679606c151176	Validation Method for Complex Engineering in Rehearsal Rooms	Poster		Tuesday Morning	
A15.01 - P2	679d0de4b5fdd	Acoustic design of Church of Our Lady of Fatima in Poland	Poster		Tuesday Morning	
A15.01 - P3	67887fa14047a	Comparative Analysis of the Acoustic Modeling using Various Room Acoustic Simulation Software	Poster		Tuesday Morning	
A15.01 - P4	6788d60bc022f	Exploring the Intersection of Sound Reverberation and Quantum Behaviors.	Poster		Tuesday Morning	
A15.01 - P5	678a37288a917	Acoustic analysis of a single-nave hall with an apse in the Cellars of Diocletian's Palace in Split	Poster		Tuesday Morning	
A15.01 - P6	679526686a1ae	Echoes in Bullrings	Poster		Tuesday Morning	

### Session Title: A15.02 Speech production and perception in rooms

Organizers: A. Astolfi and P. Bottalico

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A15.02 - T1	67893296b1d65	Acoustic refurbishments in a university lecture room: Effects on speaker's comfort and voice strain	Oral	Monday 23rd	12:00	Auditorium
A15.02 - T2	676eb93f2629a	Sensory-Driven Voice Modulation: Effects of Auralized Acoustics and Visual VR on Voice Outcomes	Oral	Monday 23rd	12:20	Auditorium
A15.02 - T3	6777307286f56	Relationship between room acoustics and voice production among Healthcare Workers	Oral	Monday 23rd	12:40	Auditorium
A15.02 - T4	67884da615097	The effect of different simulated reverberant environments on cochlear implant users' binaural fusion	Oral	Monday 23rd	13:00	Auditorium
A15.02 - T5	678816907c61a	Contribution of auditory detection thresholds to speech recognition in temporally and spectrally degraded environments for older adults	Oral	Monday 23rd	14:20	Auditorium
A15.02 - T6	67880c908a596	The role of speech directivity in speech perception	Oral	Monday 23rd	14:40	Auditorium
A15.02 - T7	67841a2014d2e	On-axis sound pressure levels and sound power of normal speech for speech intelligibility, privacy and security	Oral	Monday 23rd	15:00	Auditorium
A15.02 - T8	6788613feb68d	Investigation on the acoustic conditions of active classrooms in accordance with the students and classroom activities	Oral	Monday 23rd	15:20	Auditorium
A15.02 - T9	6794bdace7948	Assessing sound levels of student activity in primary school classrooms	Oral	Monday 23rd	15:40	Auditorium
A15.02 - P1	6796c030bdcc9	Speech intelligibility in university classrooms for the teaching of Quechua as a second language in Perú	Poster		Tuesday Morning	
A15.02 - P2	678f7db83abc3	Binaural speech intelligibility in practice	Poster		Tuesday Morning	

**Session Title: A15.03 Modern Offices: Challenges and Solutions**

Organizers: V. Hongisto, D. D'Orazio and C. Visentin

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A15.03 - T1	677d2422e511d	Effects of music on cognitive performance: from the workplace to the laboratory to open-plan offices	Oral	Tuesday 24th	11:00	SC2-2 - KIRCHER
A15.03 - T2	677d27955cb10	Noise in open-plan offices: A holistic review strategy	Oral	Tuesday 24th	11:20	SC2-2 - KIRCHER
A15.03 - T3	6794f67cbdf8	Objective method for predicting office noise annoyance	Oral	Tuesday 24th	11:40	SC2-2 - KIRCHER
A15.03 - T4	678e0d6b09b90	Enhancing Acoustic Design in Open-Plan Offices: Practical Applications of the Simplified ISO 3382-3 Prediction Model	Oral	Tuesday 24th	12:00	SC2-2 - KIRCHER
A15.03 - T5	678f642b5beac	On-site measurement campaigns in five modern office buildings in Italy: a comparison of results according to acoustic requirements of Italian regulations and WELL Building Standard.	Oral	Thursday 26th	9:00	SC1-1 -EULER
A15.03 - T6	6793c331c7b84	Optimizing Acoustic Privacy in Open-Plan Offices: A Simulation-Based Study of Desk Partition Designs and Material Choices	Oral	Thursday 26th	9:20	SC1-1 -EULER
A15.03 - T7	6793c3e164b5e	SOUND ABSORBING FURNITURE AS A STRATEGY FOR ACOUSTIC COMFORT OPTIMIZATION	Oral	Thursday 26th	9:40	SC1-1 -EULER
A15.03 - T8	67923d31d467e	Do frequencies below 160 Hz play a role in speech privacy between rooms?	Oral	Thursday 26th	10:00	SC1-1 -EULER
A15.03 - T9	6794fa666de8d	Office pod of acoustic class A improves experience and reduces stress due to office noise	Oral	Thursday 26th	10:20	SC1-1 -EULER
A15.03 - T10	678de896b6c46	How did the addition of soundproof pods influence employees' experience?	Oral	Thursday 26th	10:40	SC1-1 -EULER

**Session Title: A15.04/A24.06 Virtual Reconstructions in Archaeoacoustic Research**

Organizers: B. Katz and F. Martellotta

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A15.04/A24.06 - T1	6790f3de9a44b	The acoustical features of the Üç Şerefeli Mosque (the Mosque with Three Balconies) in Edirne	Oral	Wednesday 25th	16:40	SC2-1 - VITRUVIUS
A15.04/A24.06 - T2	67937e0a68492	Virtual acoustic completion of the unfinished baroque church of Santuari del Miracle in the Catalan region of Solsonès	Oral	Wednesday 25th	17:00	SC2-1 - VITRUVIUS
A15.04/A24.06 - T3	67951198d6a6d	Exploring the Past using Dynamic Auralization of Cultural Heritage: A Case Study on the Theatre of Tyndaris	Oral	Wednesday 25th	17:20	SC2-1 - VITRUVIUS
A15.04/A24.06 - T4	6796bfaea4cfb	Analysis of the reconstructed acoustic environment of a Portuguese Romanic Cathedral in the XVIth century by numerical modelling	Oral	Wednesday 25th	17:40	SC2-1 - VITRUVIUS
A15.04/A24.06 - T5	679166764d28a	An archaeoacoustic study of the Hoftheater's (1808-1847) history	Oral	Wednesday 25th	18:00	SC2-1 - VITRUVIUS
A15.04/A24.06 - T6	678d2c2ebca64	ACOUSTIC CHARACTERIZATION OF THE "CUEVA DEL PÁJARO AZUL": ARCHITECTURAL REFERENCE OF THE SOUND HERITAGE OF GADIS	Oral	Wednesday 25th	18:20	SC2-1 - VITRUVIUS
A15.04/A24.06 - P1	679453ab8c73e	Measurement and Auralization of Paleoacoustics landscapes in Chauvet Cave	Poster			Wednesday Morning
A15.04/A24.06 - P2	678e50b942753	From Measurement to Music: Reviving the Acoustic Heritage of St. Michael's Church, Coventry, UK	Poster			Wednesday Morning
A15.04/A24.06 - P3	6793dad0c048e	Comparison Between the Acoustic Texture Obtained Through In Situ Measurements and That Calculated From Virtual Models of a Pre-Romanesque Church	Poster			Wednesday Morning
A15.04/A24.06 - P4	67967802576c6	SURVEY AND ACOUSTIC CORRECTION OF A MONUMENTAL HISTORICAL ENVIRONMENT WITH THE USE OF AUDIO-VISUAL MODELS. Boboli, frame of a temporary theater system	Poster			Wednesday Morning

### Session Title: A15.05 Acoustic Comfort in Hospitals

Organizers: S. Secchi and J. Negreira

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A15.05 - T1	6784d1b4a648a	Space for Music: Non-verbal elements to incorporate into Healthcare Designs	Oral	Monday 23rd	12:00	SC2-2 - KIRCHER
A15.05 - T2	67878149a0b70	IMPACT OF SPATIAL ORGANIZATION ON NOISE LEVELS IN OPEN-BAY NEONATAL INTENSIVE CARE UNITS	Oral	Monday 23rd	12:20	SC2-2 - KIRCHER
A15.05 - T3	6794f98da2d32	Environmental noise in hospitals: a rapid review of trends and possible developments	Oral	Monday 23rd	12:40	SC2-2 - KIRCHER
A15.05 - T4	6794fc9d8c9fd	Towards new metrics to characterize the acoustic environment in Intensive Care Units	Oral	Monday 23rd	13:00	SC2-2 - KIRCHER
A15.05 - T5	678fb92b8a53d	Looking at sound together: using VR with Dutch Hospitals - a case study	Oral	Monday 23rd	14:20	SC2-2 - KIRCHER
A15.05 - T6	6794b83f59fe3	Sound in Clinical Environments (SILENTS): Overview of a mixed methods intervention to improve acoustic comfort in a hospital ward in London.	Oral	Monday 23rd	14:40	SC2-2 - KIRCHER
A15.05 - T7	6795012a635d5	Noise assessment within healthcare facilities	Oral	Monday 23rd	15:00	SC2-2 - KIRCHER
A15.05 - T8	6793d3583a9d9	Preliminary study of a University Hospital outdoor noise environment based on monitoring and soundscape	Oral	Monday 23rd	15:20	SC2-2 - KIRCHER

### Session Title: A15.06 Acoustic and multidomain comfort in learning spaces

Organizers: C. Visentin and G. Puglisi

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A15.06 - T1	6790d0fd4d7b1	Optimizing the Acoustical Design Process by Linking Reverberation Time and C50 in Learning Spaces	Oral	Tuesday 24th	16:20	SM6 - HELMHOLTZ
A15.06 - T2	678935d6b185f	Case Study: Remodeling of open plan Dutch school - acoustic design and operational challenges	Oral	Tuesday 24th	16:40	SM6 - HELMHOLTZ
A15.06 - T3	6762eb271178b	A possible single number universal classroom acoustic criterion	Oral	Tuesday 24th	17:00	SM6 - HELMHOLTZ
A15.06 - T4	678a0662293e0	Virtual Reality for Performance Preparation	Oral	Tuesday 24th	17:20	SM6 - HELMHOLTZ
A15.06 - T5	678ba7ef65aad	Children's listening perception and cognitive performance at school	Oral	Tuesday 24th	17:40	SM6 - HELMHOLTZ
A15.06 - T6	67966d1594d50	The Impact of Classroom Acoustics and Noise on Children's Cognitive Performance: Findings from a Primary School Study	Oral	Tuesday 24th	18:00	SM6 - HELMHOLTZ
A15.06 - T7	67942c8fb664	EEG Insights into the Impact of Noise and Dysphonic Speech on Children's Listening Effort and Sentence Comprehension	Oral	Tuesday 24th	18:20	SM6 - HELMHOLTZ
A15.06 - T8	6776d1b4062f7	Evaluating Noise-Related Stressors in Italian Schools: Aligning Acoustic Environments with the Needs of neurodivergent Students	Oral	Wednesday 25th	14:20	SC2-2 - KIRCHER
A15.06 - T9	678ce27600d3b	Multi-domain sensation and preference of children at primary school: a case study	Oral	Wednesday 25th	14:40	SC2-2 - KIRCHER
A15.06 - T10	678511843b135	Combined effect of IAQ and acoustics on calculation in university classrooms	Oral	Wednesday 25th	15:00	SC2-2 - KIRCHER
A15.06 - T11	678de773a0afa	Teaching personnels' indoor environmental satisfaction and noise exposure in enclosed and flexible learning spaces	Oral	Wednesday 25th	15:20	SC2-2 - KIRCHER
A15.06 - T12	678933b6076d3	Vocal behavior in different room acoustic conditions, background noise, and with sound field amplification system use	Oral	Wednesday 25th	15:40	SC2-2 - KIRCHER
A15.06 - P1	6785e549c67e8	AN ACOUSTIC SURVEY OF KOREAN SCHOOL CLASSROOMS	Poster			Tuesday Morning

**Session Title: A10.07/A15.07 Characterization of Acoustic Materials**

Organizers: M. Nolan, F. Chevillotte, L. Jaouen

**Please see MT10**

**Session Title: A15.09 Sound Reflections in Concert Halls**

Organizer: J. Oscar García

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A15.09 - T1	6789608ae1b81	The Support parameters for measurement of sound reflections on concert hall stages.	Oral	Thursday 26th	10:00	SC2-2 - KIRCHER
A15.09 - T2	67967ca047984	On the influence of sound scattering in room acoustic modelling	Oral	Thursday 26th	10:20	SC2-2 - KIRCHER
A15.09 - T3	6792097871860	Robust 3D Localisation of Anomalies in Reverberation Time Signals	Oral	Thursday 26th	10:40	SC2-2 - KIRCHER
A15.09 - T4	67948fb25a12d	Development of a 3D tool to visualise the lateral energy component within each sound reflection in concert halls	Oral	Thursday 26th	11:20	SC2-2 - KIRCHER
A15.09 - T5	678d503a3e24d	Forget about the seat dip effect – you have other problems! Early reflections to compensate for broadband grazing incidence attenuation.	Oral	Thursday 26th	11:40	SC2-2 - KIRCHER
A15.09 - T6	6794d52f957e3	Computer-based Construction of Self-similar Acoustic Reflectors	Oral	Thursday 26th	12:00	SC2-2 - KIRCHER

**Session Title: A15.10 Modeling and Estimation of Room Impulse Responses with Machine Learning**

Organizers: G. Pinero and D. de la Prida

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A15.10 - T1	67963a7d91b47	Deep, data-driven modeling of room acoustics: literature review and research perspectives	Oral	Tuesday 24th	9:00	SC2-2 - KIRCHER
A15.10 - T2	67824983aefb8	Complex Room Geometry Inference via Acoustic Echoes	Oral	Tuesday 24th	9:20	SC2-2 - KIRCHER
A15.10 - T3	6759fa6f410c4	DiffusionRIR: Room Impulse Response Interpolation using Diffusion Models	Oral	Tuesday 24th	9:40	SC2-2 - KIRCHER
A15.10 - T4	6795965d7f0d7	Methods for Neural Network Based Online System Identification in Active Noise Control	Oral	Tuesday 24th	10:00	SC2-2 - KIRCHER
A15.10 - T5	6793c0289b676	Evaluating Acoustic Characteristics used by Conditional GANs for Room Impulse Response Modeling	Oral	Tuesday 24th	10:20	SC2-2 - KIRCHER

**Session Title: A15.11/A16.05 Sound field reconstruction in rooms and enclosures**

Organizers: Efren Fernandez-Grande and Marco Berzborn

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A15.11/A16.05 - T1	678a7d9b548d7	Tracking of Spatially Dynamic Room Impulse Responses Along Locally Linearized Trajectories	Oral	Monday 23rd	16:00	SC2-2 - KIRCHER
A15.11/A16.05 - T2	6792633a29f50	Experimental validation of sound field estimation methods using moving microphones	Oral	Monday 23rd	16:20	SC2-2 - KIRCHER
A15.11/A16.05 - T3	67924dace3858	Introduction of the boostlet transform for acoustic signal processing	Oral	Monday 23rd	16:40	SC2-2 - KIRCHER
A15.11/A16.05 - T4	6793993ecc4da	Frequency and spatial limitations of sound field reconstruction methods for navigable reproduction	Oral	Monday 23rd	17:00	SC2-2 - KIRCHER
A15.11/A16.05 - T5	679649e03ea6d	Spatially extended reconstruction of room impulse responses using a generalizable wave model	Oral	Monday 23rd	17:20	SC2-2 - KIRCHER
A15.11/A16.05 - T6	67968ef879432	Stochastic Variational Inference of Directional Decay Times in a Reverberation Room	Oral	Monday 23rd	17:40	SC2-2 - KIRCHER
A15.11/A16.05 - T7	6792507d01e31	An analytical model of waveform transitions in space-time across different boundary conditions	Oral	Monday 23rd	18:00	SC2-2 - KIRCHER
A15.11/A16.05 - T8	679600e6847ee	The performance of the cable robot sound field characterisation measurement system	Oral	Monday 23rd	18:20	SC2-2 - KIRCHER
A15.11/A16.05 - P1	679529afeab2a	Sound source localization in small-volume industrial reverberant cavities through the Steered Response Power PHAT- $\beta$	Poster			Tuesday Morning

**Session Title: A15.12/A19.09 Numerical Methods for Room Acoustics**

Organizer: M. Hornikx

REFERENCE	TITLE	TYPE	Date	Time	Room
A15.12/A19.09 - T1	678e32121ec7b A neural network for predicting with the diffusion equation: a case study of long rooms	Oral	Wednesday 25th	9:00	SC2-2 - KIRCHER
A15.12/A19.09 - T2	679382b7f1d67 Using spherical array receivers to extract scattering coefficients of room surfaces	Oral	Wednesday 25th	9:20	SC2-2 - KIRCHER
A15.12/A19.09 - T3	6793a9e09bac1 On the Accuracy of the Image Source Method in the Presence of Two Adjacent Impedance Walls	Oral	Wednesday 25th	9:40	SC2-2 - KIRCHER
A15.12/A19.09 - T4	678a27ad64cf4 Sweeping echoes management in image method-based open-source software	Oral	Wednesday 25th	10:00	SC2-2 - KIRCHER
A15.12/A19.09 - T5	6796a2d70540e Simulation method for shoebox-shaped rooms with absorbing ceilings	Oral	Wednesday 25th	10:20	SC2-2 - KIRCHER
A15.12/A19.09 - T6	679617ad582da ROOM MODELING IN COMSOL USING FINITE ELEMENTS METHOD (FEM)	Oral	Wednesday 25th	11:00	SC2-2 - KIRCHER
A15.12/A19.09 - T7	6794bedc0a4bd Evaluating the applicability of statistical reverberation theory in rooms with varying compactness and material distributions	Oral	Wednesday 25th	11:20	SC2-2 - KIRCHER
A15.12/A19.09 - T8	677c04404ff86 From Theory to Reality: Assessing Predictive Models for Reverberation Time in Built Environments	Oral	Wednesday 25th	11:40	SC2-2 - KIRCHER
A15.12/A19.09 - T9	67878bdadd0fa Towards a community hub for open-source room acoustics software	Oral	Wednesday 25th	12:00	SC2-2 - KIRCHER
<b>A15.12/A19.09 - P1</b>	<b>6794b670a08f8 A zero-phase parametric equalization for microphone and loudspeaker impulse response</b>	<b>Poster</b>			<b>Tuesday Afternoon</b>

## MT16 - SIGNAL PROCESSING

MT16 Organizers: Efren Fernandez Grande, Boaz Rafaely and Frank Zotter

### Session Title: A16.02 Spatial audio signal processing - capture, encoding and enhancement

Organizers: Boaz Rafaely and Franz Zotter

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A16.02 - T1	679395bd35e8d	Cross-Spectral Analysis of Higher-Order Ambisonic Signals for Investigating the Spatial and Statistical Properties of Captured Sound Fields	Oral	Monday 23rd	12:00	SM1 - BÉKÉSY
A16.02 - T2	6787b26539643	Evaluation of Spherical Wavelet Framework in Comparison to Ambisonics	Oral	Monday 23rd	12:20	SM1 - BÉKÉSY
A16.02 - T4	678b879f48bdd	Adversarial Masking Approach for Robust Target Source Localization in the SH Domain	Oral	Monday 23rd	13:00	SM1 - BÉKÉSY
A16.02 - T5	67964f62392a4	Increasing the spatial aliasing frequency of circular arrays via beamformer order reduction	Oral	Thursday 26th	10:40	SC1-4 - SABINE
A16.02 - T7	67913b041f295	Steerable Neural Directional Filtering	Oral	Thursday 26th	11:20	SC1-4 - SABINE
A16.02 - T8	679364317c725	Dynamic room impulse measurements with a robotic arm	Oral	Thursday 26th	11:40	SC1-4 - SABINE
A16.02 - T9	6797dedc246ab	Multi-channel audio processing for individual patient analysis in group music therapy	Oral	Thursday 26th	12:00	SC1-4 - SABINE
A16.02 - P1	6794ef00e96f2	Correction of azimuth ambiguities of the GCC algorithm in a uniform circular array	Poster			Tuesday Morning
A16.02 - P2	679566b257882	Tracking of Intermittent and Moving Speakers : Dataset, Metrics, and Baseline	Poster			Tuesday Morning
A16.02 - P3	6797066d373dd	Relative Transfer Matrix-Based Binaural Signal Denoising of Head-Mounted Microphone Array Recordings	Poster			Tuesday Morning
A16.02 - P4	678927e022a8c	Neural Network Solvers for Binaural Encoding with Perception-Based Losses	Poster			Tuesday Afternoon
A16.02 - P5 (previous T3)	6789fdb9aca5	Binaural Signal Matching with Wearable Arrays for Near-Field Sources	Poster			Tuesday Afternoon
A16.02 - P6 (previous T6)	678a4e157dcc8	Ambisonics Encoder for Wearable Array with Improved Binaural Reproduction	Poster			Tuesday Afternoon

### Session Title: A16.03/A09.06 Machine learning for array processing

Organizers: Maximo Cobos and Thushara Abhayapala

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A16.03/A09.06 -T1	677f8fb3439f	Learning Magnitude Distribution of Sound Fields via Conditioned Autoencoder	Oral	Wednesday 25th	16:00	SM6 - HELMHOLTZ
A16.03/A09.06 -T2	67872feac751f	Universal auditory scene analysis model for source separation, event localization and detection	Oral	Wednesday 25th	16:20	SM6 - HELMHOLTZ
A16.03/A09.06 -T3	679358be2c50b	Learning from data-driven sound field estimation using complex-valued neural networks	Oral	Wednesday 25th	16:40	SM6 - HELMHOLTZ
A16.03/A09.06 -T4	679391bd62a45	Exploiting Spatial Information for Anomaly Detection in Industrial Machines Using Autoencoders	Oral	Wednesday 25th	17:00	SM6 - HELMHOLTZ
A16.03/A09.06 -T5	6793b8424d453	Adaptive acoustic source separation with CLEAN-STFT	Oral	Wednesday 25th	17:20	SM6 - HELMHOLTZ
A16.03/A09.06 -T6	6795f84e5e7e7	Elevation and Azimuth Frequency Invariant Beamforming using Autograd and Concentric Circular Microphone Arrays	Oral	Wednesday 25th	17:40	SM6 - HELMHOLTZ
A16.03/A09.06 -T7	6796c0e0dab61	Point Neuron Learning for broadband array processing	Oral	Wednesday 25th	18:00	SM6 - HELMHOLTZ
A16.03/A09.06 -T8	67937c9ad7505	Deep Learning-Driven Object Tracking for Enhanced Acoustic Beamforming in Dynamic Environments	Oral	Wednesday 25th	18:20	SM6 - HELMHOLTZ
A16.03/A09.06 -P1	6790c31a18a31	Complex-valued neural networks for the reproduction of linearly superposed sound fields	Poster			Wednesday Morning
A16.03/A09.06 -P2	6794d4b321eb8	Interpolation of Modal Displacement in Thin Plates Using Physics-Informed Neural Networks	Poster			Wednesday Morning
A16.03/A09.06 -P3	678b8cc4a0e35	Leveraging Graph Neural Networks for Robust Dynamic Sound Source Tracking	Poster			Wednesday Morning
A16.03/A09.06 -P4	678fb5db2f6ae	Enhancing the geometrical calibration of microphones arrays : solutions and experimental validation	Poster			Wednesday Morning

**Session Title: A16.04 Airborne sonar**  
 Organizers: A. Izquierdo, L. del Val, J. J. Villacorta

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A16.04 - T1	678115e333da9	Spatial Characterization of Noise Generated by a Drone in Hovering Flight	Oral	Tuesday 24th	17:00	SC1-4 - SABINE
A16.04 - T2	67811a9424e8e	Detection and spatial localization of xylophagous insects in wood structures with acoustic arrays	Oral	Tuesday 24th	17:20	SC1-4 - SABINE
A16.04 - T3	67962c94b6a56	Plant Health Monitoring using Acoustics	Oral	Tuesday 24th	17:40	SC1-4 - SABINE
A16.04 - T4	679337900f22c	Compressed Sensing for Data Acquisition in Air Imaging Sonar Sensor	Oral	Tuesday 24th	18:00	SC1-4 - SABINE
A16.04 - T5	6793fed21488d	Advancing Direction Estimation for Acoustic Drone Detection in Noisy Outdoor Environments	Oral	Tuesday 24th	18:20	SC1-4 - SABINE
<b>A16.04 - P1</b>	<b>67810d12dfac3</b>	<b>Pedestrian Detection Using an Active Acoustic Array Embedded in a Car</b>	<b>Poster</b>		Tuesday Morning	

**Session Title: A15.11/A16.05 Sound field reconstruction in rooms and enclosures**  
 Organizers: Efren Fernandez-Grande and Marco Berzborn

**Please see MT15**

**Session Title: A16.06 Source directivity: capturing, processing, and evaluating its effects**  
 Organizers: Markus Noisternig and Samuel Bellows

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A16.06 - T1	6777c9c738398	A robotic system for space-time characterization of parametric acoustic sound sources	Oral	Tuesday 24th	14:20	SM6 - HELMHOLTZ
A16.06 - T2	678fb4f9230d2	Sound source directivity estimation via a spherical wave decomposition of the radiated field : a cross simulated and experimental study	Oral	Tuesday 24th	14:40	SM6 - HELMHOLTZ
A16.06 - T3	6794ac2aa8ad2	Impact of leg diffraction and scattering on voice directivity patterns	Oral	Tuesday 24th	15:00	SM6 - HELMHOLTZ
A16.06 - T4	6794af695f95b	Analytic expressions for the low-frequency acoustic center of dipole radiators	Oral	Tuesday 24th	15:20	SM6 - HELMHOLTZ
A16.06 - T5	6793bf905a4df	Investigating the effects of sound source occlusion in a real dynamic scenario	Oral	Tuesday 24th	15:40	SM6 - HELMHOLTZ

**Session Title: A24.11/A16.07 Processing/individualization/interpolation of HRIRs or BRIRs**  
 Organizer: A. Andreopoulou

**Please see MT24**

## MT17 - SOUNDSCAPE, ENVIRONMENTAL QUALITY, HEALTH AND WELL-BEING

MT17 Organizers: André Fiedig and Jerónimo Vida

Session Title: A17.01 General							
			Organizers: A. Fiedig, J. Vida				
	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A17.01 - T1	67869171c58f0	Soundscaping as a Multidisciplinary Activity	Oral	Tuesday 24th	9:00	SC2-1 - VITRUVIUS
ok	A17.01 - T2	679384b797622	Virtual Reality Applications in Urban Soundscape Assessment: An Overview	Oral	Tuesday 24th	9:20	SC2-1 - VITRUVIUS
ok	A17.01 - T3	6787ff4ce265e	Soundscapes While in Motion - Impact of Walking vs. Stationary Perspectives on Soundscape Perception	Oral	Tuesday 24th	9:40	SC2-1 - VITRUVIUS
ok	A17.01 - T4	678b609650622	Developing Sensory Heritage Policy from International Soundscape and Smellscape Standards	Oral	Tuesday 24th	10:00	SC2-1 - VITRUVIUS
ok	A17.01 - T5	6793544f62034	Meta-analyses in noise and health: to update or not?	Oral	Tuesday 24th	10:20	SC2-1 - VITRUVIUS
ok	A17.01 - T6	6787c5f6e87c5	Up-to-Date Epidemiological Evidence on Health Effects from Transportation Noise for Burden of Disease Assessment	Oral	Tuesday 24th	11:00	SC2-1 - VITRUVIUS
ok	A17.01 - T7	679381f22dd99	An Umbrella+ review and discussion of the evidence, gaps, and research needs for quantifying transportation noise impacts on all-cause mortality	Oral	Tuesday 24th	11:20	SC2-1 - VITRUVIUS
ok	A17.01 - T8	67935d6b05019	Progress on the translation into Spanish of ISO/TS 12913-2:2018 soundscape PAQ model: new insights from SATP project in Chile	Oral	Tuesday 24th	11:40	SC2-1 - VITRUVIUS
ok	A17.01 - T9	678639911901e	Linguistic Representations of Soundscapes: Perceptions and Descriptions in Urban and Mountain Contexts in Trentino-South Tyrol	Oral	Tuesday 24th	12:00	SC2-1 - VITRUVIUS
ok	A17.01 - T10	679434a11d5e0	Towards the creation of an Ibero-American Urban Soundscape Network for collaboration, preservation and promotion of sound environments in Spanish and Portuguese speaking countries	Oral	Tuesday 24th	14:20	SC2-1 - VITRUVIUS
ok	A17.01 - T11	6783e08722293	Inhabiting Gaudí: Integrating Objective and Subjective Acoustic Evaluations for Human Comfort	Oral	Tuesday 24th	14:40	SC2-1 - VITRUVIUS
ok	A17.01 - T12	6794c3ae091a5	Soundscape analysis of two culturally distinct urban spaces and their impact on place identity and user satisfaction	Oral	Tuesday 24th	15:00	SC2-1 - VITRUVIUS
ok	A17.01 - T13	679225cd44ee4	INTERVENTIONS AND ACOUSTIC NUANCES OF THE MASTER SNORER, IN THE SOUND WALKS WITH THE DAUMAL METHOD IN ELCHE, CUENCA AND FARO	Oral	Tuesday 24th	15:20	SC2-1 - VITRUVIUS
ok	A17.01 - T14	678a36aba8a14	CITIZEN SCIENCE TO ANALYSE THE RELATIONSHIP BETWEEN SOUNDS AND SPIRITUALITY IN A MONASTERY	Oral	Tuesday 24th	15:40	SC2-1 - VITRUVIUS
ok	A17.01 - P1	6777b4ae7d155	PEMS: People Experience of Mountain Soundscapes	Poster	Wednesday Morning		

**Session Title: A17.02 Restorative soundscapes - Sound quality, health and well-being**  
 Organizers: M. Engel, A. Fiebig

ID	REFERENCE	TITLE	TYPE	Date	Time	Room	
ok	A17.02 - T1	678e4e08953da	Tranquillity Islands: Designing restorative soundscapes in urban environments	Oral	Monday 23rd	14:20	SC2-1 - VITRUVIUS
ok	A17.02 - T2	6796a2770f950	Silenz in Quota – An Initiative Promoting Soundscape Protection in Mountainous Natural Areas	Oral	Monday 23rd	14:40	SC2-1 - VITRUVIUS
ok	A17.02 - T3	677e48751eb13	Field study on the restorative potential of small green and blue spaces in densely populated areas	Oral	Monday 23rd	15:00	SC2-1 - VITRUVIUS
ok	A17.02 - T4	678a196e275a1	A citizen science approach to collect combined noise exposure and survey data for the Flemish Government	Oral	Monday 23rd	15:20	SC2-1 - VITRUVIUS
ok	A17.02 - T5	6792b900cdce2	RESTORATIVE URBAN SPACES IN EUROPE: COMPARISONS OF CRITERIA AND APPROACHES IN GERMANY AND ITALY	Oral	Monday 23rd	15:40	SC2-1 - VITRUVIUS
ok	A17.02 - T6	679235824dcfd	A Simple Structured Approach to the Acoustic Design of Urban Green Spaces	Oral	Monday 23rd	16:20	SC2-1 - VITRUVIUS
ok	A17.02 - T7	67958157c4c9f	Acoustic quality layers: A systematic review to understand acoustic quality spaces	Oral	Monday 23rd	16:40	SC2-1 - VITRUVIUS
ok	A17.02 - T8	6793be81295b0	The Influence of Soundwalk Direction on Healthy Street Metrics	Oral	Monday 23rd	17:00	SC2-1 - VITRUVIUS
ok	A17.02 - T9	6793c2038603c	Comparison of methodological approaches for investigating urban parks soundscape restoration: A case study of Curitiba, Brazil.	Oral	Monday 23rd	17:20	SC2-1 - VITRUVIUS
ok	A17.02 - T10	67964bb0a900a	Different Perceptions on Hong Kong's Chinese Temples: Through the Lens of Soundscape and Smellscape	Oral	Monday 23rd	17:40	SC2-1 - VITRUVIUS
ok	A17.02 - T11	679663ecb3d9e	Electric Cars in the Soundscape of the High-Tech City: Pedestrian Interaction with Electric Vehicle Alert Sounds in Shenzhen City	Oral	Monday 23rd	18:00	SC2-1 - VITRUVIUS
ok	A17.02 - T12	679450ba689fa	Restorative Soundscape Design for Resting Places in Purpose-Built Vehicles: Enhancing Relaxation and Well-being through Audio-Visual Environments	Oral	Monday 23rd	18:20	SC2-1 - VITRUVIUS
A17.02 - P1	6780fa19549aa	Mitigating Noise Annoyance Through Green Spaces: Health Impacts in European Urban Environments	Poster			Tuesday Morning	
A17.02 - P2	6794ce741c995	Courtyard trees and aircraft noise: Investigating the effect of Urban Greenery on aircraft noise perception using Virtual Reality (VR).	Poster			Tuesday Morning	

**Session Title: A17.03 Soundscape practice and interventions**

Organizers: J. Kang, A. Fiebig, K. Siebein

ID	REFERENCE	TITLE	TYPE	Date	Time	Room	
ok	A17.03 - T1	67893f67a42cc	SOUNDSCAPE PRACTICE AND INTERVENTIONS: A FRAMEWORK	Oral	Tuesday 24th	16:20	SC2-1 - VITRUVIUS
ok	A17.03 - T2	6787b329e2100	Defining urban soundscape design means and tools	Oral	Tuesday 24th	16:40	SC2-1 - VITRUVIUS
ok	A17.03 - T3	6793f4d908c24	Architecture as Soundscape Intervention Design Process and Strategies.	Oral	Tuesday 24th	17:00	SC2-1 - VITRUVIUS
ok	A17.03 - T4	679654954861a	Exploring Soundscape Methods and Interventions in Urban and Suburban Soundscapes	Oral	Tuesday 24th	17:20	SC2-1 - VITRUVIUS
ok	A17.03 - T5	67965c92ac9ca	A Tale of Two Cities: Soundscape Analysis and Planning	Oral	Tuesday 24th	17:40	SC2-1 - VITRUVIUS
ok	A17.03 - T6	6796b23f21a50	The Soundscape of an ICU	Oral	Tuesday 24th	18:00	SC2-1 - VITRUVIUS
ok	A17.03 - T7	67924fef39565	Measuring short-term changes in perceived soundscapes due to localized interventions	Oral	Tuesday 24th	18:20	SC2-1 - VITRUVIUS
ok	A17.03 - T8	6795b9c465877	Listening to the Built Environment: Cultural and Social Urban Soundscape	Oral	Wednesday 25th	16:20	Auditorium
ok	A17.03 - T9	677ac135394ee	Sonic Transformations in The Hague (NL) and Kiruna (S)	Oral	Wednesday 25th	16:40	Auditorium
ok	A17.03 - T10	679349d87e281	Exploring green façades as complex systems and their relationships with soundscape quality through a system thinking approach	Oral	Wednesday 25th	17:00	Auditorium
ok	A17.03 - T11	6796502ad0134	Quantifying the influence of urban and landscape morphologies on noise from airborne sources in urban canyon and courtyards	Oral	Wednesday 25th	17:20	Auditorium
ok	A17.03 - T12	6794cae2ec831	Towards Designing Pleasant Urban Soundscape: An Acoustic Metamaterial-Based Multi-Objective Psychoacoustic Analysis	Oral	Wednesday 25th	17:40	Auditorium
ok	A17.03 - T13	67936dfd4cbc9	Sonic Citizenship and the feeling of awe in urban space	Oral	Wednesday 25th	18:00	Auditorium
ok	A17.03 - T14	6796c30fc5b8e	A Soundscape Study of Animal Facilities	Oral	Wednesday 25th	18:20	Auditorium

**Session Title: A17.04 Soundscape methods, monitoring and metrics**  
 Organizers: J. Vida Manzano, I. Aspuru, R. M. Alsina-Pagès

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A17.04 - T1	6796d1fc0030b THE PREDICTION OF ENVIRONMENTAL NOISE, USING ARCMAP, (NMSIM-GIS) AND ISO 9613, FOR COMMERCIAL JET BOAT OPERATIONS	Oral	Wednesday 25th	9:00	Auditorium
ok	A17.04 - T2	67967f11b5fca Noise in the High-Tech City: Listening to Shenzhen Through a Participatory Phone-Based App	Oral	Wednesday 25th	9:20	Auditorium
ok	A17.04 - T3	678902566a745 Introducing NORBAERT (Networks Of Recordings Based on the urban Acoustic EnviRonmenT) – an open source software to facilitate the research on complex networks from the acoustic environment.	Oral	Wednesday 25th	9:40	Auditorium
ok	A17.04 - T4	678923cf244f0 A revised Web Application for Interactive Exploration and Visualization of ISO 12913 Soundscape Datasets	Oral	Wednesday 25th	10:00	Auditorium
ok	A17.04 - T5	67939524f1666 Proposal for an assessment tool for the psychosocial co-benefits of the natural soundscape in the urban environment	Oral	Wednesday 25th	10:40	Auditorium
ok	A17.04 - T6	678667ae057e9 Polish version of soundscape attributes: translation process and preliminary validation results	Oral	Wednesday 25th	11:00	Auditorium
ok	A17.04 - T7	6789e31b7cfae Comparison of Text-Based and Graphical Methodologies for Soundscape Assessment	Oral	Wednesday 25th	11:20	Auditorium
ok	A17.04 - T8	678c7f23572c7 Effects of audio-visual interactions on the soundscape in urban shopping streets	Oral	Wednesday 25th	14:20	SC2-1 - VITRUVIUS
ok	A17.04 - T9	678c95b7b9c5f Comparison between perceived acoustic and visual elements in urban environments through mental mapping approach	Oral	Wednesday 25th	14:40	SC2-1 - VITRUVIUS
ok	A17.04 - T10	678cab6c0d46d Clustering analysis of human perceptual responses to birdsongs	Oral	Wednesday 25th	15:00	SC2-1 - VITRUVIUS
ok	A17.04 - T11	678e2730ceec Developing a linguistic corpora-based soundscape questionnaire: addressing translation challenges in the ISO Standard.	Oral	Wednesday 25th	15:20	SC2-1 - VITRUVIUS
ok	A17.04 - T12	678fc500b8344 The role of pleasantness mapping in a University campus for studying soundscape subjective perception in evolving environments	Oral	Wednesday 25th	15:40	SC2-1 - VITRUVIUS
ok	A17.04 - T13	67923784890cb Psychoacoustic Assessment of loud vehicles recorded by a noise radar	Oral	Wednesday 25th	16:00	SC2-1 - VITRUVIUS
A17.04 - P1	67839cc70d021 Soundscape analysis using the methods specified in ISO/TS 12913-2:2018: A case study of historical areas with high heritage value in Coimbra	Poster			Tuesday Afternoon	
A17.04 - P2	67943ee3a1a0e Collaborative learning in the diagnosis of the soundscape of the Historic Center of Morelia, Mexico: applications of the ISO 12913 Standard and participatory mapping	Poster			Tuesday Afternoon	
A17.04 - P3	6793aa2419e4d Questionnaires and Acoustic Measurements in Longyearbyen Area During Winter and Summer Seasons	Poster			Tuesday Afternoon	
A17.04 - P4	6787b9334e56f NoiseSens - a system for identifying noise offenders in road traffic	Poster			Tuesday Afternoon	

### Session Title: A17.05 Indoor soundscapes

Organizers: S. Torresin, P. Nur Dokmeci Yorukoglu

ID	REFERENCE	TITLE	TYPE	Date	Time	Room	
ok	A17.05 - T1	674f6c4bbf04e	COMPARING TEACHERS' AND STUDENTS' PERCEPTIONS OF SCHOOL SOUNDSCAPES THROUGH A QUESTIONNAIRE-BASED STUDY	Oral	Wednesday 25th	9:00	SC2-1 - VITRUVIUS
ok	A17.05 - T2	6792e68ba0d68	A Systematic Review Of Perceptual Attributes For Indoor Soundscape Assessment In Primary School Classrooms	Oral	Wednesday 25th	9:20	SC2-1 - VITRUVIUS
ok	A17.05 - T3	678510cc06936	Cross-modal effects on assessments of soundscape and IAQ in university classrooms	Oral	Wednesday 25th	9:40	SC2-1 - VITRUVIUS
ok	A17.05 - T4	67964cb11c322	Adaptive Comfort: Similarities and Differences Between the Acoustic and Thermal Domains	Oral	Wednesday 25th	10:00	SC2-1 - VITRUVIUS
ok	A17.05 - T5	67866653e2873	Acoustic annoyance in a mixed-mode open-plan office during summer: a field study	Oral	Wednesday 25th	10:20	SC2-1 - VITRUVIUS
ok	A17.05 - T6	678a72fb9f325	Characterizing indoor work environments: a diary-interview methodology to inform audio augmented reality approaches	Oral	Wednesday 25th	14:20	Auditorium
ok	A17.05 - T7	67967f39a517a	Noise perception and cognitive effort in the new Central Public Library of Torino	Oral	Wednesday 25th	14:40	Auditorium
ok	A17.05 - T8	6793ade69e215	Prison soundscapes and health effects: Insights from the literature	Oral	Wednesday 25th	15:00	Auditorium
ok	A17.05 - T9	67935694aeab7	Soundscape attribute for assessment the acoustical environment in an apartment	Oral	Wednesday 25th	15:20	Auditorium
ok	A17.05 - T10	6791bdec817a8	Clustering residential sound based on soundscape attributes for monitoring soundscape	Oral	Wednesday 25th	15:40	Auditorium
ok	A17.05 - T11	676d512d66eb1	Effects of adding a natural and a mechanical sound to a polyclinic soundscape on spatial knowledge performance	Oral	Thursday 26th	10:40	SC2-1 - VITRUVIUS
ok	A17.05 - T12	679076d0427fa	Radiation and Spatial Characteristics of Masking Speaker Reproduced Sound in Residential Spaces and Its Impact on Masking Performance	Oral	Thursday 26th	11:00	SC2-1 - VITRUVIUS
ok	A17.05 - T13	678c010b83642	Auditory Processing-Driven Soundscape Design for Dementia: A Systematic Framework for Environmental Intervention	Oral	Thursday 26th	11:20	SC2-1 - VITRUVIUS
ok	A17.05 - T14	678922f15d73e	The Role of Salient Sounds in everyday indoor Soundscapes	Oral	Thursday 26th	11:40	SC2-1 - VITRUVIUS
ok	A17.05 - T15	6787a6f4d03dd	Soundscape experience mapping: A deep listening approach for eliciting older adults' perceptions of indoor soundscapes	Oral	Thursday 26th	12:00	SC2-1 - VITRUVIUS
ok	A17.05 - P1	67935b898a6a6	Contribution to the measurement and assessment of indoor university soundscapes: a classroom experience	Poster			Wednesday Afternoon

### Session Title: A17.06 Soundscape and Inclusion, from Theory to Practice

Organizers: A. Talebzadeh, B. Schulte-Fortkamp

ID	REFERENCE	TITLE	TYPE	Date	Time	Room	
ok	A17.06 - T1	67879dd16ccba	Including Critical Narratives in Soundscape Research	Oral	Monday 23rd	12:00	SC2-1 - VITRUVIUS
ok	A17.06 - T2	6777bd0735a0b	Multispecies Soundscape Character: A landscape-led framework for multiple perspectives	Oral	Monday 23rd	12:20	SC2-1 - VITRUVIUS
ok	A17.06 - T3	6794f4632971b	Ethical considerations about soundscape measurement in a critical context. The Neonatal and Paediatric intensive care unit (NPICU) case study	Oral	Monday 23rd	12:40	SC2-1 - VITRUVIUS
ok	A17.06 - T4	67967cefe7d0e	Characterizing the soundscape of Oncology Hospital Spaces at University Hospital "Mother Teresa" (UHCT): Assessment of Patients and Staff	Oral	Monday 23rd	13:00	SC2-1 - VITRUVIUS
ok	A17.06 - T5	67964e97abb98	Rehabilitation exercises using spatial sound	Oral	Wednesday 25th	11:00	SC2-1 - VITRUVIUS
ok	A17.06 - T6	6793d1b82165d	Exploring pedestrian perceptions of safety through Shared Space soundscapes	Oral	Wednesday 25th	11:20	SC2-1 - VITRUVIUS
ok	A17.06 - T7	679628a92c777	DIVERSITY OF RESPONSES AND POTENTIAL CONFLICTS IN INCLUSIVE URBAN SOUND DESIGN – PRELIMINARY RESULTS FROM INTERVIEWS IN BRIGHTON (UK)	Oral	Wednesday 25th	11:40	SC2-1 - VITRUVIUS
ok	A17.06 - T8	67964acc0a764	Sunday Soundscapes: Foreign Domestic Helpers' Acoustic Contributions to Hong Kong's Public Spaces	Oral	Wednesday 25th	12:00	SC2-1 - VITRUVIUS

### Session Title: A17.07 Hospital Soundscape

Organizers: P. Jik Lee, E. Ozcan, T. Hampton

ID	REFERENCE	TITLE	TYPE	Date	Time	Room	
ok	A17.07 - T1	679663f0ac088	Development of a Japanese Digits-in-Noise Test for hearing assessment in noisy environments	Oral	Thursday 26th	9:00	SC2-1 - VITRUVIUS
ok	A17.07 - T2	67967049a9175	The role of critical alarms in the ICU acoustic environment: A Pilot Study	Oral	Thursday 26th	9:20	SC2-1 - VITRUVIUS
ok	A17.07 - T3	6798e44789580	Impacts of soundscape on healthcare workers' wellbeing	Oral	Thursday 26th	9:40	SC2-1 - VITRUVIUS
ok	A17.07 - T4	6793c66af0a75	Nurses' interpretation of ICU sounds and soundscape: An annotated sound level measurement in the Intensive Care Unit at Erasmus Medical Center	Oral	Thursday 26th	10:00	SC2-1 - VITRUVIUS

## MT18 - SPEECH

MT18 Organizers: Laureano Moro-Velázquez, Eugenia San Segundo, Nick Cummins and Phillip Aichinger

### Session Title: A18.01 General

Organizers: L. Moro-Velázquez, E. San Segundo, N. Cummins, P. Aichinger

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A18.01 - T1	6793beb042e22	Masking of speech by a single talker is determined by masker type and speaker voice characteristics	Oral	Thursday 26th	9:00	SC1-3 - RAYLEIGH
ok	A18.01 - T2	678e717aa270a	Rhythm instruction to enhance ESP students' prosody: An acoustic study	Oral	Thursday 26th	9:20	SC1-3 - RAYLEIGH
ok	A18.01 - T3	678002f50d98a	Slicer - A Tool for Efficient Stimuli Extraction from Large Speech Corpora	Oral	Thursday 26th	9:40	SC1-3 - RAYLEIGH
ok	A18.01 - T4	6792bf237c170	The avatars speech intelligibility: comparison between two different speech generation methodologies for facial animation	Oral	Thursday 26th	10:00	SC1-3 - RAYLEIGH
	<b>A18.01 - P1</b>	<b>67968f6813a15</b>	<b>The effect of congruence of Computer Graphics image and reverberation-induced speech on speech intelligibility</b>	<b>Poster</b>			Wednesday Afternoon

### Session Title: A18.02 Forensic Phonetics and Acoustics

Organizers: R. Hernández Molina, R. Pérez Vargas, M. Ramírez Salado, V. Rodríguez Montaño

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A18.02 - T1	677a778db0068	ACOUSTIC AND COMPARATIVE ANALYSIS IN THE PROCESS OF TRANS-VOICE HORMONAL TREATMENT	Oral	Wednesday 25th	14:20	SM3 - BERANEK
ok	A18.02 - T2	6784f05e48f55	DIGITAL VOICES: AN ANALYSIS OF SPEECH INTELLIGIBILITY THROUGH MOBILE DEVICES	Oral	Wednesday 25th	14:40	SM3 - BERANEK
ok	A18.02 - T3	677a77512ab9b	HUMAN-MACHINE SPEAKER IDENTIFICATION ACCORDING TO TOBI PRINCIPLES	Oral	Wednesday 25th	15:00	SM3 - BERANEK
ok	A18.02 - T4	678630cf161b2	PERCEPTION OF AUDIO DEEPFAKES IN SPANISH AND JAPANESE: EFFECTS OF LANGUAGE, SPEAKING STYLE, AND VOICE FAMILIARITY	Oral	Wednesday 25th	15:20	SM3 - BERANEK
ok	A18.02 - T5	6784f5526460f	SPEECH CLARITY AND TOPIC RELEVANCE: FORENSIC ANALYSIS IN VARYING ACOUSTIC ENVIRONMENTS	Oral	Wednesday 25th	15:40	SM3 - BERANEK
	<b>A18.02 - P1</b>	<b>678640caad4d8</b>	<b>Perceptual evaluation of synthetic voice detection with dysphonic speakers</b>	<b>Poster</b>			Wednesday Morning

### Session Title: A18.03 Speech production pathologies

Organizers: J. A. Gómez-García, Z. Yue

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A18.03 - T1	67963ad3b16f0	Texture analysis in recurrence plots for parkinsonian speech recognition	Oral	Wednesday 25th	16:20	SM3 - BERANEK
ok	A18.03 - T2	678007ccdc1ac	Automatic Speech Recognition for a Dysarthric Child Speaking Austrian German	Oral	Wednesday 25th	16:40	SM3 - BERANEK
	<b>A18.03 - P1</b>	<b>6793c6d96910b</b>	<b>Discriminating Parkinson's Disease from Normophonic Voices Using a SincNet model</b>	<b>Poster</b>			Wednesday Morning
	<b>A18.03 - P2</b>	<b>679380308f5fe</b>	<b>Explainable feature selection for dementia recognition from acoustic and linguistic cues</b>	<b>Poster</b>			Wednesday Morning

**Session Title: A18.04 Speech perception pathologies**

Organizers: I. Lopez-Espejo, G. Encina Llamas

	<b>ID</b>	<b>REFERENCE</b>	<b>TITLE</b>	<b>TYPE</b>	<b>Date</b>	<b>Time</b>	<b>Room</b>
ok	A18.04 - T1	67967980c47a8	Evaluation of DNN-based sensorineural hearing-loss compensation strategies	Oral	Wednesday 25th	10:00	SM2 - MORSE
ok	A18.04 - T2	6789020bb4bab	Modelling of distortions created by temporal interactions between pulses in CI users	Oral	Wednesday 25th	10:20	SM2 - MORSE
ok	A18.04 - T3	67967f7627a90	Perceptual evaluation of deep learning-based speech enhancement for hearing aids	Oral	Wednesday 25th	10:40	SM2 - MORSE
	<b>A18.04 - P1</b>	<b>679683c8b674d</b>	<b>Audio-Visual Feature Synchronization for Robust Speech Enhancement in Hearing Aids</b>	Poster			Wednesday Afternoon
	<b>A18.04 - P2</b>		<b>Assessing Speech Processing HA/CI Advancements for Naturalistic Field Testing: Advancements with CCI-MOBILE Research Platform</b>	Poster			Wednesday Afternoon

**Session Title: A18.05 Speech technologies: diarization, emotion, enhancement**

Organizers: L. Moro-Velázquez, T. Thebaud

	<b>ID</b>	<b>REFERENCE</b>	<b>TITLE</b>	<b>TYPE</b>	<b>Date</b>	<b>Time</b>	<b>Room</b>
ok	A18.05 - T1	6793541d1ad1b	Steered Beamforming and Voice Activity Detection for Efficient Multi-microphone Speaker Segmentation	Oral	Thursday 26th	10:20	SC1-3 - RAYLEIGH
	<b>A18.05 - P1</b>	<b>6793f6693b592</b>	<b>Temporal Segmentation Strategy to Improve Speech-Based Anger Detection using YAMNet</b>	Poster			Wednesday Afternoon
	<b>A18.05 - P2</b>	<b>67966297cb14f</b>	<b>Towards Interpretable Emotion Recognition: Identifying Key Features with Machine Learning</b>	Poster			Wednesday Afternoon
	<b>A18.05 - P3</b>	<b>679546259fa00</b>	<b>Developing a novel multimodal speech enhancement evaluation metric: Addressing the limitation of traditional objective measures</b>	Poster			Wednesday Afternoon

## MT19 - NUMERICAL, COMPUTATIONAL AND THEORETICAL ACOUSTICS

MT19 Organizers: Luis Godhino, Maarten Hornikx, Stefan Schoder and Marcus Mäder

### Session Title: A19.01 General

Organizers: M. Hornikx, J.-D. Chazot, M. Maeder, E. A. Sei

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A19.01 - T1	6787812a9baf4	Optimizing Volume Penalization for Acoustic FDTD Simulations: Modeling Errors and Parameter Selection	Oral	Thursday 26th	10:40	SM6 - HELMHOLTZ
A19.01 - T2	678d108b0d206	Generation of sound waves by nonlinearly evolving two-dimensional coherent structures on a turbulent subsonic mixing layer: a comparative study of two mechanisms	Oral	Thursday 26th	11:00	SM6 - HELMHOLTZ
A19.01 - T3	677ba316f0a56	Data-driven discovery of nonlinear wave equations for various material parameters	Oral	Thursday 26th	11:20	SM6 - HELMHOLTZ
A19.01 - T4	678a6b5c9d878	Uncertainties and Efficiency of Bayesian Decay Analysis	Oral	Thursday 26th	11:40	SM6 - HELMHOLTZ
A19.01 - T5	6782cd1f04e2e	Acoustic Field Reconstruction in Tubes via Physics-Informed Neural Networks	Oral	Thursday 26th	12:00	SM6 - HELMHOLTZ
<b>A19.01 - P1</b>	<b>6784e62c06a2d</b>	<b>Machine learning for modelling band structure properties</b>	<b>Poster</b>			Wednesday Afternoon

### Session Title: A19.02 Numerical methods for acoustics and vibration

Organizers: D. Panagiotopoulos, D. Mayhofer

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A19.02 - T1	6785021764058	Identification of acoustic characteristic of tweeter loudspeakers for car cabin sound quality simulations	Oral	Monday 23rd	12:00	SM4 - ZWICKER
A19.02 - T2	6786206820139	Development and comparative analysis of novel Component Mode Synthesis Methods for structural and acoustic applications	Oral	Monday 23rd	12:20	SM4 - ZWICKER
A19.02 - T3	67867126d38a6	Reduced-order transient simulations of the convected wave equation with perfectly matched layers	Oral	Monday 23rd	12:40	SM4 - ZWICKER
A19.02 - T4	67876dba13b6b	Application of Craig-Bampton reduction in vibro-acoustic coupling	Oral	Monday 23rd	13:00	SM4 - ZWICKER
A19.02 - T5	678780f73b9f1	Applicability of the Discontinuous Galerkin method for outdoor noise propagation simulations	Oral	Monday 23rd	16:00	SM4 - ZWICKER
A19.02 - T6	6787ebf50e101	Isogeometric FEM/BEM approach for a coupled acoustic fluid-structural interaction systems	Oral	Monday 23rd	16:20	SM4 - ZWICKER
A19.02 - T7	6788e042a9b40	On the usage of acoustic radiation modes for Krylov subspace reduction of acoustic finite element models in the time domain	Oral	Monday 23rd	16:40	SM4 - ZWICKER
A19.02 - T8	679359ab51adf	RECONSTRUCTION OF RADIATED ACOUSTIC FIELDS USING 3D LASER VIBROMETRY AND FEM SIMULATION: A COMPARATIVE STUDY OF INTERPOLATION APPROACHES	Oral	Monday 23rd	17:00	SM4 - ZWICKER
A19.02 - T9	6793a5f735c9c	Investigation of the influence of slip-operators on ultrasound pulse-based sound generation principles	Oral	Monday 23rd	17:20	SM4 - ZWICKER
A19.02 - T10	6794aeccc42db	Investigation of Memory Efficient Convolutional Truncation Methods for the 2D Time Domain Boundary Element Method	Oral	Monday 23rd	17:40	SM4 - ZWICKER
A19.02 - T11	679521055f4f5	Using open software modeling tools for innovative transducer designs	Oral	Monday 23rd	18:00	SM4 - ZWICKER
A19.02 - T12	67966b04c0c03	Mixed formulation for Bayliss-Turkel absorbing boundary condition for non-spherical truncated boundaries of acoustic problems and fast frequency sweeps.	Oral	Monday 23rd	18:20	SM4 - ZWICKER

### Session Title: A19.05/A10.06 Numerical methods for acoustic materials and metamaterials

Organizers: L. Godinho, O. Dazel

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A19.05/A10.06 - T1	6793cdb326a3c	Design and Optimisation of a Multi-Layer Porous Barrier with Tunable Resonators	Oral	Wednesday 25th	9:00	SM6 - HELMHOLTZ
A19.05/A10.06 - T2	679389fea00af	Periodic boundary conditions in finite difference time domain.	Oral	Wednesday 25th	9:20	SM6 - HELMHOLTZ
A19.05/A10.06 - T3	67964d1e3a076	Non reciprocity in spatiotemporal sonic crystals	Oral	Wednesday 25th	9:40	SM6 - HELMHOLTZ
A19.05/A10.06 - T4	67ab6de78ad33	A meshfree approach for sound wave propagation in periodic media with multi-layer porous inclusions	Oral	Wednesday 25th	10:00	SM6 - HELMHOLTZ
A19.05/A10.06 - T5	6793987d21b5a	Model-based auralization of vibro-acoustic metamaterial partitions	Oral	Wednesday 25th	10:20	SM6 - HELMHOLTZ
A19.05/A10.06 - T6	679558889f023	Geometrical optimisation of an acoustic metamaterial for low-frequency sound absorption	Oral	Wednesday 25th	10:40	SM6 - HELMHOLTZ
<b>A19.05/A10.06 - P1</b>	<b>678f632c24aaa</b>	<b>Investigation of Stop Band Behavior in complex finite Vibroacoustic Metamaterial Structures using a Power-based Method</b>	<b>Poster</b>			Wednesday Afternoon

**Session Title: A19.06/A07.05 Methods for advanced computational aeroacoustics**

Organizers: S. Schoder, G. Bernardini, F. Avallone

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A19.06/A07.05 -T1	678fc3bef2487	Separating aerodynamic from acoustic field in acoustic liners through modal decomposition	Oral	Tuesday 24th	16:20	SM4 - ZWICKER
A19.06/A07.05 -T2	6784f196c24e9	Prediction of in-duct aeroacoustic noise of a mechanical ventilation system	Oral	Tuesday 24th	16:40	SM4 - ZWICKER
A19.06/A07.05 -T3	6787de7260ea6	Acoustic Propagation Through Diffuse Interfaces	Oral	Tuesday 24th	17:00	SM4 - ZWICKER
A19.06/A07.05 -T4	678949ab6a3c0	An Advanced Boundary Integral Formulation for Sound Scattered by Deforming Bodies	Oral	Tuesday 24th	17:20	SM4 - ZWICKER
A19.06/A07.05 -T5	67923188f1905	Sound source identification based on balance of acoustic energy	Oral	Tuesday 24th	17:40	SM4 - ZWICKER
A19.06/A07.05 -T6	67926854d7701	Stability investigations of solid wall immersed boundary schemes for the linearized Euler equations in multidimensions	Oral	Tuesday 24th	18:00	SM4 - ZWICKER
A19.06/A07.05 -T7	679543d6c19c4	Numerical and Experimental Assessment of Hybrid RANS/LES Simulations with Zig-Zag Trip-Induced Turbulence Triggering for Enhanced Propeller Noise Predictions	Oral	Tuesday 24th	18:20	SM4 - ZWICKER

**Session Title: A19.07 Validation and Benchmarks in Computational Acoustics**

Organizers: A. Prinn, L. Aspöck, S. Schoder, M. Maeder

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A19.07 - T1	678797b4939d4	Validation study of broadband numerical methods for room acoustic simulations and binaural rendering in a furnished room	Oral	Tuesday 24th	9:00	SM4 - ZWICKER
A19.07 - T2	6790c13b4f348	Benchmarking Room Acoustic Sound Particle Simulations incorporating Uncertainty-Based Diffraction: Challenges and Strategies	Oral	Tuesday 24th	9:20	SM4 - ZWICKER
A19.07 - T3	67911c94b01f9	Acoustic characteristics of an open-fan model from semi-analytical predictions and wind tunnel measurements	Oral	Tuesday 24th	9:40	SM4 - ZWICKER
A19.07 - T4	67934ecd0b895	Comparing Open Source Room Acoustics Simulation Tools: Performance and Usability Insights	Oral	Tuesday 24th	10:00	SM4 - ZWICKER
A19.07 - T5	6793a443b2721	Input data for room acoustic simulations: ray-based vs hybrid models of a rectangular room	Oral	Tuesday 24th	10:20	SM4 - ZWICKER
A19.07 - T6	6793aae6a587f	Testing of commercial software to generate simulated impulse responses for Personal Sound Zones systems	Oral	Thursday 26th	9:00	SM6 - HELMHOLTZ
A19.07 - T7	6794f559b8457	Measures of validation for computational room acoustics	Oral	Thursday 26th	9:20	SM6 - HELMHOLTZ
A19.07 - T8	679541fb1f1e9	Numerical validation of VLES-LBM for predicting aerodynamic and acoustic phenomena in propeller-wing ultra-tight separation distances	Oral	Thursday 26th	9:40	SM6 - HELMHOLTZ
A19.07 - T9	6798f5813fe1c	Unlocking the Potential of Open Research Software in Acoustics: lessons learned from the Nantes workshop	Oral	Thursday 26th	10:00	SM6 - HELMHOLTZ

**Session Title: A19.08/A10.10 Numerical methods for wave propagation in complex media**

Organizers: A. Prieto-Aneiros, P. Amado-Mendes

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A19.08/A10.10 -T1	677ec04c67980	Streamlined model of porous media for Finite Difference Time Domain schemes	Oral	Wednesday 25th	16:20	SM4 - ZWICKER
A19.08/A10.10 -T2	6790de8d744bf	Inspection of welding joints using elastoacoustic signals via topological derivative	Oral	Wednesday 25th	16:40	SM4 - ZWICKER
A19.08/A10.10 -T3	679522d013c5a	NUMERICAL QUANTIFICATION OF THE BIVALVE PRESENCE IN GRANULAR SEDIMENTS ON COASTAL SEABEDS	Oral	Wednesday 25th	17:00	SM4 - ZWICKER
A19.08/A10.10 -T4	67962723aa821	DG-Trefftz method with radiating boundary conditions imposed via the NtD map: Analysis on a waveguide	Oral	Wednesday 25th	17:20	SM4 - ZWICKER
A19.08/A10.10 -T5	67868933b2e9b	A 3D finite element model of ultrasonic waves travelling through pervious concrete	Oral	Wednesday 25th	17:40	SM4 - ZWICKER
A19.08/A10.10 -T6	679d1142dd469	Wave propagation in inhomogeneous media with quasi-Trefftz methods	Oral	Wednesday 25th	18:00	SM4 - ZWICKER
A19.08/A10.10 -T7	679d142879735	Integrating CQ solvers in time with Overlapping BEM-FEM Approaches for Wave Propagation Analysis	Oral	Wednesday 25th	18:20	SM4 - ZWICKER
A19.08/A10.10 -P1	67882f0cb19d2	On the Acoustic Investigation of Complex Buildings materials by Physics Informed Neural Networks (PINN)	Poster		Wednesday Morning	

**Session Title: A15.12/A19.09 Numerical Methods for Room Acoustics**

Organizer: M. Hornikx

**Please see MT15**

## MT20 - TRANSPORTATION NOISE AND VIBRATION

MT20 Organizers: Stephanos Theodossiades, Eduardo Latorre and Ramón Peral

### Session Title: A20.01 General

Organizers: S. Theodossiades, E. Latorre, R. Peral

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A20.01 - T1	675cb9588267f	A source model for airborne noise from ship traffic in fairways	Oral	Tuesday 24th	9:00	SM3 - BERANEK
ok	A20.01 - T2	679389bfd745b	Rolling resistance and Rolling noise assessment of bituminous mixtures	Oral	Tuesday 24th	9:20	SM3 - BERANEK
ok	A20.01 - T3	6761315cf0d7b	Analysing the Effect of Thresholds in the Comparison of Measured and Modelled Aircraft Noise	Oral	Tuesday 24th	9:40	SM3 - BERANEK
ok	A20.01 - T4	678f6fcfa0749	IOTA: A positional data processing software for aircraft noise simulations	Oral	Tuesday 24th	10:00	SM3 - BERANEK

### Session Title: A20.02 Automotive noise and vibration

Organizers: S. Theodossiades, S. Anda

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A20.02 - T1	6786ed5484d01	Modeling of the force transmissibility up to 300Hz of an vehicle air suspension	Oral	Tuesday 24th	10:40	SM3 - BERANEK
ok	A20.02 - T2	67890afbaca38	Comparing Measured Pass-by Levels of Accelerating Battery Electric Cars and Combustion Engine Cars	Oral	Tuesday 24th	11:00	SM3 - BERANEK
ok	A20.02 - T3	678bc3a579e3f	Psychoacoustic assessment of synthetic sounds for electric vehicles in a virtual reality experiment	Oral	Tuesday 24th	11:20	SM3 - BERANEK
ok	A20.02 - T4	679348fe254ad	The use of virtual reality for the subjective evaluation of interior refinement levels	Oral	Tuesday 24th	11:40	SM3 - BERANEK
ok	A20.02 - T5	679349377bc09	The use of sound power evolution (SPEA) in the determination of body system contributions to vehicle cabin noise	Oral	Tuesday 24th	12:00	SM3 - BERANEK
	A20.02 - P1	677cd13d19772	XAI based Frequency-Time feature Extraction and development of an optimal evaluation method for C-EPS	Poster			Tuesday Afternoon
	A20.02 - P2	6785ab230063a	Research on Integrated Component Virtual Sound	Poster			Tuesday Afternoon

### Session Title: A20.03 Road traffic noise and vibration

Organizers: R. Peral, L. Estevez

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A20.03 - T1	67602435985a4	Loudspeaker Array-Based Auralization of Electric Vehicle Noise in Living Environments	Oral	Monday 23rd	14:20	SM4 - ZWICKER
ok	A20.03 - T2	676b9ea1d4a79	Comprehensive Frequency Spectrum Analysis of Metro Rail Noise for Environmental and Acoustic Insights	Oral	Monday 23rd	14:40	SM4 - ZWICKER
ok	A20.03 - T3	6786273c209e6	Evaluation of noise emitted by speed bumps on roads	Oral	Monday 23rd	15:00	SM4 - ZWICKER
ok	A20.03 - T4	678918d2cc35c	Model-Based Approaches for Acoustic Pavement Characterization	Oral	Monday 23rd	15:20	SM4 - ZWICKER
ok	A20.03 - T5	678a8d6804d55	Evaluation of Road Noise Models from CNOSSOS and CRTN in Ireland	Oral	Tuesday 24th	14:20	SM3 - BERANEK
ok	A20.03 - T6	678fd727b3405	Impact of the choice of road traffic speed data on modelled environmental noise	Oral	Tuesday 24th	14:40	SM3 - BERANEK
ok	A20.03 - T7	6792156883eee	Microscopic and Dynamic Road Traffic Noise Model Coupled with a Single Vehicle Recognition and Tracking Video Analysis Tool	Oral	Tuesday 24th	15:00	SM3 - BERANEK
ok	A20.03 - T8	6792c32972412	Experimental Assessment of Different Car Driving Styles and Their Role in Road Traffic Noise Annoyance Reduction	Oral	Tuesday 24th	15:20	SM3 - BERANEK
ok	A20.03 - T9	67934989c6105	A case study of prediction accuracy of ASJ RTN-Model 2023 on Japanese general roads	Oral	Tuesday 24th	15:40	SM3 - BERANEK
ok	A20.03 - T10	67935d2a767e0	Comparison of a Stochastic and Microscopic Road Traffic Noise Model Performances by Using Variable Level of Aggregation of	Oral	Tuesday 24th	16:00	SM3 - BERANEK
ok	A20.03 - T11	6793a337e7f9e	From "vroom-vroom" to "whoosh-whoosh": Why acceleration noise from electric cars matters	Oral	Wednesday 25th	14:20	SM4 - ZWICKER
ok	A20.03 - T12	67948d2fa7679	Design of Vibration Isolation system for Multiple number of Spacecrafts Transportation Container	Oral	Wednesday 25th	14:40	SM4 - ZWICKER
ok	A20.03 - T13	679617045b3aa	Relative importance of road traffic in the temporal structure of city noise	Oral	Wednesday 25th	15:00	SM4 - ZWICKER
ok	A20.03 - T14	67967491681ab	Real-time vehicle detection and classification for detailed CNOSSOS-EU inputs	Oral	Wednesday 25th	15:20	SM4 - ZWICKER
ok	A20.03 - T15	6796891d2f770	Pavement surface monitoring with dynamic video and audio system	Oral	Wednesday 25th	15:40	SM4 - ZWICKER

**Session Title: A20.04 Tyre/road noise**  
 Organizers: N. Campillo-Davo, E. Fraga de Frieta

ID	REFERENCE	TITLE	TYPE	Date	Time	Room	
ok	A20.04 - T1	679245da1106f	New road surface source correction factors for Nord2000 calculations in Sweden	Oral	Monday 23rd	17:00	SM1 - BÉKÉSY
ok	A20.04 - T2	6793b274e9bc5	Image-based prediction of noise: a two-step conceptual model	Oral	Monday 23rd	17:20	SM1 - BÉKÉSY
ok	A20.04 - T3	6793ccb878a9a	Machine Learning techniques for tyre rolling noise on rubberized asphalt roads	Oral	Monday 23rd	17:40	SM1 - BÉKÉSY
ok	A20.04 - T4	67991f4579d5b	In-situ evaluation of tyre/road noise of a pavement based on footwear waste	Oral	Monday 23rd	18:00	SM1 - BÉKÉSY
ok	A20.04 - T5	6793378381779	A Study on Solution Space for Tire Engineering Design	Oral	Monday 23rd	18:20	SM1 - BÉKÉSY
	A20.04 - P1	678fa7e4d829f	Long-term tyre/road noise comparison of different road surfaces measured by CPX method	Poster			Tuesday Morning
	A20.04 - P2	678fa98a8037e	Influence of velocity on the frequency spectra of SMA 11 road surface measured by CPX method	Poster			Tuesday Morning

**Session Title: A20.05 Railway noise and vibration**

Organizers: R. Arcos, E. Latorre Iglesias

ID	REFERENCE	TITLE	TYPE	Date	Time	Room	
ok	A20.05 - T1	677fc28e742ca	Measurement of wheel flats and investigation of an acoustic maintenance criterion	Oral	Wednesday 25th	9:00	SM1 - BÉKÉSY
ok	A20.05 - T2	6788dfe3ab6f5	Method for Railway Noise Event Detection: experiment using Medusas sensors	Oral	Wednesday 25th	9:20	SM1 - BÉKÉSY
ok	A20.05 - T3	6788fcc1d2d23	GENIFER feasibility study - Assessing railway noise instantaneous annoyance with in-situ listening test	Oral	Wednesday 25th	9:40	SM1 - BÉKÉSY
ok	A20.05 - T4	678e277cda674	VibraSIG - Modeling railway structure-borne noise and vibrations and implementation in QGIS geographic information software	Oral	Wednesday 25th	10:00	SM1 - BÉKÉSY
ok	A20.05 - T5	67935092c0b0b	Framework for the uncertainty assessment of predictions of high-speed train pantograph aerodynamic noise	Oral	Wednesday 25th	10:20	SM1 - BÉKÉSY
ok	A20.05 - T6	679386af56a2c	BIM-Based Noise Protection Planning in Railway Infrastructure	Oral	Wednesday 25th	11:00	SM1 - BÉKÉSY
ok	A20.05 - T7	6797e8a3169b7	The influence of nonlinear behaviour of reinforced concrete structures on numerical modelling for vibration	Oral	Wednesday 25th	11:20	SM1 - BÉKÉSY
ok	A20.05 - T8	679d1295bf5e4	A method for track-independent railway vehicle characterization as ground-borne vibration sources based on blocked forces	Oral	Wednesday 25th	11:40	SM1 - BÉKÉSY
ok	A20.05 - T9	67f3aa1434315	Study of the effect of ballast properties and wheel geometry on rolling noise	Oral	Wednesday 25th	12:00	SM1 - BÉKÉSY
	A20.05 - P1	67a4d410cad31	Dynamic behaviour and rolling noise study of discretely supported track with random spacing	Poster			Wednesday Afternoon

**Session Title: A20.06 Noise barriers and mitigation techniques for road traffic and railway**

Organizers: M. Garai, P. Bellucci

ID	REFERENCE	TITLE	TYPE	Date	Time	Room	
ok	A20.06 - T1	678fcbb7998545	Designing a sonic crystal noise barrier for an evolving urban area	Oral	Wednesday 25th	16:40	SM5 - SCHROEDER
ok	A20.06 - T2	679126810098d	Noise barriers: what really matters and what doesn't?	Oral	Wednesday 25th	17:00	SM5 - SCHROEDER
ok	A20.06 - T3	679692806137e	Assessment of efficiency of WHIStop diffractor for road traffic noise abatement	Oral	Wednesday 25th	17:20	SM5 - SCHROEDER
ok	A20.06 - P1	679247f815ed1	The ECODRIVE Project: Traffic Management and Control Measures to Mitigate Road Traffic Noise	Poster			Wednesday Morning

**Session Title: A20.07 Aircraft noise**  
 Organizers: P. Rodríguez, R. Merino

	ID	REFERENCE	TITLE	TYPE	Date	Time	Room
ok	A20.07 - T1	67854ca936027	Aircraft non-acoustical factors: virtual vs. simulated studies	Oral	Thursday 26th	9:00	SM4 - ZWICKER
ok	A20.07 - T2	67867eeb587e1	Exposure-response relationships between air traffic noise and annoyance or sleep disturbance for civil and military airports in the Netherlands	Oral	Thursday 26th	9:20	SM4 - ZWICKER
ok	A20.07 - T3	678a3b1f494a2	Sound Characteristics and Perception Study of new Generation of Turbofan Aircraft	Oral	Thursday 26th	9:40	SM4 - ZWICKER
ok	A20.07 - T4	678e051becf66	Indoor and Outdoor Noise perception of communities near Schiphol Airport	Oral	Thursday 26th	10:00	SM4 - ZWICKER
ok	A20.07 - T5	678fa6dd5323c	Krueger flap noise generation on a semi-span aircraft model	Oral	Thursday 26th	10:20	SM4 - ZWICKER
ok	A20.07 - T6	679105817be0f	AIRCRAFT NOISE ANNOYANCE MODELING BASED ON PSYCHOACOUSTIC LISTENING EXPERIMENTS	Oral	Thursday 26th	11:00	SM4 - ZWICKER
ok	A20.07 - T7	67910fe275349	EVALUATION OF THE INFLUENCE OF AUDIO-VISUAL PARAMETERS IN THE PERCEIVED AIRCRAFT NOISE ANNOYANCE IN VIRTUAL REALITY EXPERIMENTS	Oral	Thursday 26th	11:20	SM4 - ZWICKER
ok	A20.07 - T8	67967da0eff45	Analysis of unequally spaced blades by means of multipole expansion	Oral	Thursday 26th	11:40	SM4 - ZWICKER
ok	A20.07 - T9	6797a7a7bd8cb	Community and cabin noise assessment of a hydrogen fuel cell-battery hybrid-based 19-seater airliner	Oral	Thursday 26th	12:00	SM4 - ZWICKER
	<b>A20.07 - P1</b>	<b>679566c9c4e59</b>	<b>Exploring Acoustic Signatures of Different Aircraft Types and Operations Using Advanced Data Analysis</b>	<b>Poster</b>			Wednesday Afternoon

## MT21 - SOUND QUALITY AND PRODUCT DESIGN

MT21 Organizers: Elif Ozcan Vieira, Patrick Susini, Georgios Marentakis and Doriana del Palú

### A21.02. Applied sound-driven design

Organizers: Nicolas Misdariis, Simone Spagnol, Sara Lenzi, Elif Ozcan

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A21.02 - T1	67870dce909aa	Mitigating Motion Sickness in Electric Vehicles Through Active Sound Design	Oral	Wednesday 25th	14:20	SM6 - HELMHOLTZ
A21.02 - T2	678fc206354e3	Sound design in beauty tech: improving the sounds of hair dryers	Oral	Wednesday 25th	14:40	SM6 - HELMHOLTZ
A21.02 - T3	67960db2ae67e	Design and evaluation of the SoundAsleep app: the impact of emotional states on sound preferences for sleep	Oral	Wednesday 25th	15:00	SM6 - HELMHOLTZ
A21.02 - T4	6793c923806ce	SoundAI: Exploring culture-sensitive and environmentally-conscious applications for AI-supported sound-driven design	Oral	Wednesday 25th	15:20	SM6 - HELMHOLTZ
A21.02 - P1	67937f945fa6c	From Research to Practice: A Collaborative Approach to Tackling Alarm Fatigue in ICUs	Poster			Wednesday Morning
A21.02 - P2	679666e69c023	Experimental evidence shows that auditory icon clinical alerts work better than tones	Poster			Wednesday Morning

### A21.03. Listening experience in sound-driven design

Organizers: Sandra Pauletto, Georgios Marentakis, Doriana del Palú

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A21.03 - T1	6794798b1d5fe	Rotary Engine Essence Utilization for In-Car Sound Driven Design	Oral	Thursday 26th	11:00	SC1-3 - RAYLEIGH
A21.03 - T2	679392f878f70	Listening and talking about sound: exploring effective descriptors for everyday sounds with non-expert listeners	Oral	Thursday 26th	11:20	SC1-3 - RAYLEIGH
A21.03 - T3	67961af72013e	Exploring the benefits and boundaries of auditory representations in service design	Oral	Thursday 26th	11:40	SC1-3 - RAYLEIGH
A21.03 - T4	6793607834379	Investigating strategies in a sound design for sustainability exercise in an educational setting	Oral	Thursday 26th	12:00	SC1-3 - RAYLEIGH
A21.03 - T5	6793d4d488ed1	A Framework for Managing Auditory Hypersensitivity: Insights from Persuasive Game Design and Soundscape Approach	Poster			Wednesday Afternoon

### A21.04. Methodologies for sound-driven design and education

Organizers: Stefano delle Monache, Patrick Susini, Rosana Sanz Segura

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A21.04 - T1	678535659aa0f	From framework to practice: Les_Sons, a product sound tool for design education	Oral	Thursday 26th	9:00	SC1-4 - SABINE
A21.04 - T2	6787bd5aec1c5	DESIGNING SOUNDS FOR EXHIBITIONS: TOOLS TO ENHANCE SOUND-DRIVEN DESIGN STRATEGIES	Oral	Thursday 26th	9:20	SC1-4 - SABINE
A21.04 - T3	678d22c962597	25 years of sound design @ENSCi Les Ateliers	Oral	Thursday 26th	9:40	SC1-4 - SABINE
A21.04 - T4	679605d4ea5a9	Sound-Driven Design in Astronomy: the long-term impact of design and evaluation activities on the development of astronomical data sonification tools	Oral	Thursday 26th	10:00	SC1-4 - SABINE
A21.04 - P1	679893d742980	Acoustic design case studies of educational spaces for neurodivergent people.	Poster			Wednesday Afternoon

## MT22 - UNDERWATER ACOUSTICS

MT22 Organizers: Didac Diego-Tortosa and María Campo

### Session Title: A22.02/A02.02 Underwater soundscape and noise: modelling, measurements and effects

Organizers: Jaime Ramis, G. Zambon, Ana Sirovic, P. Poveda, V. Zaffaroni

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A22.02/A02.02 - T1	6772d232ca194	Comparative analysis of three underwater soundscapes	Oral	Monday 23rd	14:20	SM6 - HELMHOLTZ
A22.02/A02.02 - T2	6780e7b40c67c	Numerical modeling of low frequency sound propagation in three dimensional shallow marine environment with solid seabed	Oral	Monday 23rd	14:40	SM6 - HELMHOLTZ
A22.02/A02.02 - T3	67884f37e2dff	Acoustic indicators of ecosystems' and energy dynamics in marine environments	Oral	Monday 23rd	15:00	SM6 - HELMHOLTZ
A22.02/A02.02 - T4	6788ee1227c21	An Optimized MATLAB Software Package for the Analysis and Characterization of Underwater Sound Produced by Wind Farms	Oral	Monday 23rd	15:20	SM6 - HELMHOLTZ
A22.02/A02.02 - T5	67909eb1856dd	Advanced far-field vibro-acoustic modeling of underwater pile driving for offshore noise mitigation	Oral	Monday 23rd	15:40	SM6 - HELMHOLTZ
A22.02/A02.02 - T6	6791222504114	The Hidden Patterns of Marine Soundscapes: A Better Approach for Identifying and Counting Sources of Sound in Marine Areas of Special Conservation.	Oral	Monday 23rd	16:20	SM6 - HELMHOLTZ
A22.02/A02.02 - T7	67939137efb8c	Testing underwater noise effects on microscopic sessile marine invertebrates: challenges and perspectives	Oral	Monday 23rd	16:40	SM6 - HELMHOLTZ
A22.02/A02.02 - T8	67967dee703b2	On the problem of underwater sound mapping in shallow waters: a case study	Oral	Monday 23rd	17:00	SM6 - HELMHOLTZ
A22.02/A02.02 - T9	67968d2b71f09	Acoustic characterization of Panarea's hydrothermal system	Oral	Monday 23rd	17:20	SM6 - HELMHOLTZ
A22.02/A02.02 - T10	67973eb4d96d8	VIBRO-ACOUSTIC STUDY OF A SMALL GLASS-WALLED FISH TANK: AN EXPERIMENTAL AND THEORETICAL APPROACH	Oral	Monday 23rd	17:40	SM6 - HELMHOLTZ
A22.02/A02.02 - T11	679758b4d7a18	Experimental setup for the in-field assessment of underwater noise effects on marine fouling	Oral	Monday 23rd	18:00	SM6 - HELMHOLTZ
A22.02/A02.02 - T12	67969e5dd1c61	Underwater noise survey of Turku Archipelago in Finland	Oral	Monday 23rd	18:20	SM6 - HELMHOLTZ
A22.02/A02.02 - T13	6795400d50488	METHODOLOGY FOR UNDERWATER NOISE LEVEL MEASUREMENT FROM DREDGING ACTIVITIES	Oral	Thursday 26th	11:20	SM2 - MORSE
A22.02/A02.02 - P1	677cea7434549	An Open and Interactive Dataset for Exploring Underwater Soundscapes and Vessel Noise	Poster			Tuesday Afternoon
A22.02/A02.02 - P2	6788d9fb56a4b	Streamlining Underwater Acoustic Propagation Modeling with a Python-Based Interface	Poster			Tuesday Afternoon
A22.02/A02.02 - P3	678baeb2624cf	Sounds generated by a fixed offshore oil and gas platform during production phase	Poster			Tuesday Afternoon
A22.02/A02.02 - P4	6790d75d8359c	Acoustic study of deep-diving sperm whales during one week of continuous monitoring in the Gulf of Catania (Ionian Sea).	Poster			Tuesday Afternoon
A22.02/A02.02 - P5	679281e96439c	The Marine Soundscape of Kongsfjorden, Svalbard: Two-Year Study on Spectral Variability and Environmental Drivers	Poster			Tuesday Afternoon
A22.02/A02.02 - P6	679526ab00a3f	Acoustic characterization of underwater noise from bottom trawling	Poster			Tuesday Afternoon
A22.02/A02.02 - P7	67965975e2aee	The project KNOWhale: improving knowledge on fin whale ( <i>Balaenoptera physalus</i> ) acoustic occurrence and behaviour in the Central Mediterranean Sea	Poster			Tuesday Afternoon
A22.02/A02.02 - P8	6793d9e59afc3	Effect of vessel noise disturbance on European seabass	Poster			Tuesday Afternoon
A22.02/A02.02 - P9	679548ddd7be4	Communicating in noisy waters: how shipping noise and environmental conditions affect blue and fin whale calling activity	Poster			Tuesday Afternoon

### Session Title: A22.03 Communication, Positioning and Acoustic Sensor Systems

Organizers: María Campo-Valera, Dídac Diego-Tortosa

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A22.03 - T1	67884f753a6d5	Time synchronization of long-term underwater acoustic observations: the challenge of autonomous hydrophones without global clock baseline	Oral	Monday 23rd	12:00	SM6 - HELMHOLTZ
A22.03 - T2	6794ce99d71f5	DESIGN OF AN AUTONOMOUS LOW-COST ACOUSTIC ACQUISITION SYSTEM BASED ON INTENSIMETRIC SENSORS FOR UNDERWATER ACOUSTICS SCENARIOS	Oral	Monday 23rd	12:20	SM6 - HELMHOLTZ
A22.03 - T3	678909f86c7ed	DESIGN AND FABRICATION OF AN ACOUSTIC LEAKY-WAVE ANTENNA FOR UNDERWATER ACOUSTIC	Oral	Monday 23rd	12:40	SM6 - HELMHOLTZ
A22.03 - T4	67967f5c4417f	STUDIES ON THE CONCEPTUAL DESIGN OF AN ACOUSTIC SENSORS ARRAY FOR NEUTRINOS EVENT TRIGGERING	Oral	Monday 23rd	13:00	SM6 - HELMHOLTZ

### Session Title: A22.04 Traffic ship noises

Organizers: Paolo Diviacco, Fernando Luis Rosa González

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A22.04 - T1	678b610798558	Interacting Multiple Model Target Tracking Algorithm for Underwater Maneuvering Targets Based on Transformer	Oral	Tuesday 24th	11:00	SM6 - HELMHOLTZ
A22.04 - T2	6795a2bc09968	The spatio-temporal and frequency analysis of deep-sea surface reverberation caused by different waveforms.	Oral	Tuesday 24th	11:20	SM6 - HELMHOLTZ
A22.04 - T3	679406d6dd376	The Italian Ocean Sound monitoring sub-system for the "Italian Integrated Environmental Research Infrastructures System (ITINERIS)" project	Oral	Wednesday 25th	16:40	SM1 - BÉKÉSY
A22.04 - T4	6796088a1df60	Impact of Maritime Traffic Noise on Juvenile <i>Dicentrarchus labrax</i>	Oral	Wednesday 25th	17:00	SM1 - BÉKÉSY
A22.04 - T5	67965282c0289	The characteristic spectrum of vessels in four very different European basins	Oral	Wednesday 25th	17:20	SM1 - BÉKÉSY
A22.04 - T6	67890ef2d6093	Modeling of a ship sound recorded by an ocean bottom seismometer	Oral	Wednesday 25th	17:40	SM1 - BÉKÉSY
A22.04 - T7	678a0c746364c	Ship propeller non-cavitating loading noise in unsteady non-uniform flow	Oral	Wednesday 25th	18:00	SM1 - BÉKÉSY
A22.04 - T8	6793940ec6dcb	The OceanSoundModel: a GUI for shipping noise predictions	Oral	Wednesday 25th	18:20	SM1 - BÉKÉSY

### Session Title: A22.05 Geophysics and Distributed Acoustic Sensing (DAS) capabilities

Organizers: Dídac Diego-Tortosa, María Campo-Valera

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A22.05 - T1	678688cb21a15	Trans-dimensional Bayesian matched-field inversion for seabed geoacoustic profiles	Oral	Tuesday 24th	9:00	SM6 - HELMHOLTZ
A22.05 - T2	67913344d3e9f	Data-Driven Optimization of the Block Sorting and Decimation Method Using Genetic Algorithms for Seismic Data Compression	Oral	Tuesday 24th	9:20	SM6 - HELMHOLTZ
A22.05 - T3	6796837201827	Advances in Optoacoustic Technologies for Monitoring the Ionian Sea	Oral	Tuesday 24th	9:40	SM6 - HELMHOLTZ
A22.05 - T4	67957194bf07d	Monitoring of marine environment using distributed acoustic sensing in the Gulf of Catania	Oral	Tuesday 24th	10:00	SM6 - HELMHOLTZ
A22.05 - T5	679695296f986	Pre-stack Multidimensional Seismic Data Compression Using U-net-Based Predictors	Oral	Tuesday 24th	10:20	SM6 - HELMHOLTZ
A22.05 - P1	676abf1b0512c	Underwater sound detection with taut, suspended cables in a fjord	Poster			Tuesday Afternoon
A22.05 - P2	6786169d5f3a0	Lossy Compression for Distributed Acoustic Sensing (DAS)	Poster			Tuesday Afternoon

## MT23 - VIBRO-ACOUSTICS

MT23 Organizers: Jose Roberto de Franca Arruda, Robert Arcos, Arnau Clot and Oriol Guash

Session Title: A23.01 Vibroacoustics						
Organizers: Oriol Guash and Robert Arcos						
ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A23.01 - T1	679813b6a80ac	Predicting the vibroacoustic response of an elastic hydrofoil in a turbulent flow	Oral	Thursday 26th	10:40	SM5 - SCHROEDER
A23.01 - T2	678471ac0d250	A Method for Measuring Instantaneous Structural Intensity in Flat Structures	Oral	Thursday 26th	11:00	SM5 - SCHROEDER
A23.01 - T3	6784ef7f93eba	Finite Element Model Update of an Aircraft Interior Lining Panel	Oral	Thursday 26th	11:20	SM5 - SCHROEDER
A23.01 - T4	678778a9a5b52	Theoretical and experimental analysis of vibro-acoustic coupling at high levels: application to the design of passive absorbing devices	Oral	Thursday 26th	11:40	SM5 - SCHROEDER
A23.01 - T5	678ac3194aef4	Measurements of flexural wave properties on viscoelastic panels using a laser Doppler vibrometer	Oral	Thursday 26th	12:00	SM5 - SCHROEDER

## Session Title: A10.05/A23.5 Metamaterials and acoustic black holes in vibro-acoustics

Organizers: J. Deng, F. Gautier, W. Jeon

Please see MT10

## MT24 - VIRTUAL ACOUSTICS

MT24 Organizers: Brian Katz, Arcadio Reyes Lecuona and Jose Javier Lopez Monfort

### Session Title: A24.01 General

Organizers: B. Katz and A. Reyes-Lecuona and JJ. López-Monfort and Suso Ramallo

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A24.01 - T1	67924f1ce2663	Psychoacoustic evaluation of a pilot system for simulating diverse room acoustics for musicians	Oral	Tuesday 24th	14:20	SM4 - ZWICKER
A24.01 - T2	6793d81b8e496	IR64-CAR: A Dataset of Impulse Responses for Automotive Acoustic Research	Oral	Tuesday 24th	14:40	SM4 - ZWICKER
A24.01 - T3	6796215349e56	Cylindrical harmonic decomposition of the sound intensity vectors	Oral	Tuesday 24th	15:00	SM4 - ZWICKER
A24.01 - T4	678508eb78bfc	Hearing Protection Device with AI-Based Sound Detection and Localization	Oral	Tuesday 24th	15:20	SM4 - ZWICKER
A24.01 - T5	6793c45ba0b9a	Addressing Acoustic Simulation Pitfalls in Virtual Reality for Occupational Safety Research	Oral	Tuesday 24th	15:40	SM4 - ZWICKER
A24.01 - P1	679674cde2e06	Spatial localisation and level accuracy in the detection of a moving source using a delay-and-sum beamformer	Poster			Wednesday Morning
A24.01 - P2	6793b0feb811d	VR-PTOLEMAIC: A Virtual Environment for the Perceptual Testing of Spatial Audio Algorithms	Poster			Wednesday Morning
A24.01 - P3	6794f4efe0a24	Trends in the use of Virtual Reality for acoustic investigation of the built environment	Poster			Wednesday Morning
A24.01 - P4	678f828e7c126	Presenting the "Diamonds' Room"	Poster			Wednesday Morning

### Session Title: A24.05/A14.08 Virtual acoustics and binaural AR in hearing research: challenges of a new paradigm

Organizers: N. Mayer-Kahlen, A. Reyes-Lecuona

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A24.05/A14.08 - T1	67961167e7484	Impact of Room Acoustic Mismatches on Conversational Dynamics in Virtual Conferencing: Preliminary Study	Oral	Wednesday 25th	14:20	SM2 - MORSE
A24.05/A14.08 - T2	678e1ba6a0009	Relating Room Acoustic Rating Consistency to Binaural Masking Level Difference Scores	Oral	Wednesday 25th	14:40	SM2 - MORSE
A24.05/A14.08 - T3	6793ba3e8f56e	Mesh2PPM - Automatic Parametrization of the BezierPPM: Perceptually Important Pinna Regions	Oral	Wednesday 25th	15:00	SM2 - MORSE
A24.05/A14.08 - T4	6794b42969545	New Release of the Binaural Rendering Toolbox: Introducing Version 2.0	Oral	Wednesday 25th	15:20	SM2 - MORSE
A24.05/A14.08 - T5	67958e78933d6	Accommodation to virtual sound rendering in a reverberant room with 3DoF and 6DoF interaction	Oral	Thursday 26th	9:00	SM5 - SCHROEDER
A24.05/A14.08 - T6	67963ad20a08e	Perceptual sensitivity to the "open window" in late reverberation	Oral	Thursday 26th	9:20	SM5 - SCHROEDER
A24.05/A14.08 - T7	67964c21b8713	Audiovisual vs auditory room matching show the difference between sound for VR and AR	Oral	Thursday 26th	9:40	SM5 - SCHROEDER
A24.05/A14.08 - T8	6793a29c9e047	The Extended SONICOM HRTF Dataset	Oral	Thursday 26th	10:00	SM5 - SCHROEDER
A24.05/A14.08 - P1	6780f752d2a47	Enhancing photogrammetry reconstruction for HRTF synthesis via a Graph Neural Network	Poster			Wednesday Morning
A24.05/A14.08 - P2	6790098aa7970	Subjective evaluation of presence in binaural formats, Stereo and Dolby Atmos.	Poster			Wednesday Morning

### Session Title: A15.4/A24.06 Virtual Reconstructions in Archaeoacoustic Research

Organizers: B. Katz, F. Martellotta

Please see MT15

**Session Title: A24.07/A11.06 Networked music performances and virtual environments**

Organizers: J. Sastre, S. Willemsen

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A24.07/A11.06 - T1	67641b11cb294	Soundcool: Enabling Easy-to-Configure International Collaborative Performances with Minimal Technical Knowledge	Oral	Tuesday 24th	16:40	SM3 - BERANEK
A24.07/A11.06 - T2	678b7a20f313d	Exploring the Acoustic Characteristics that Determine Performance Quality in Opera Singing	Oral	Tuesday 24th	17:00	SM3 - BERANEK
A24.07/A11.06 - T3	6796ad9764ba1	Latency evaluation and modeling of a mechatronic display for telematic music	Oral	Tuesday 24th	17:20	SM3 - BERANEK
A24.07/A11.06 - P1	67944be7a5db0	Artificial IRs in Dynamic Virtual Acoustics for Music Experimentation	Poster			Wednesday Morning

**Session Title: A24.09/A24.13 Motion and rendering**

Organizer: A. Neidhardt and F. Brinkmann and J. Segura

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A24.09/A24.13 - T1	679370b41c83f	Dynamic loudspeaker equalization for participant movements in sound field synthesis	Oral	Wednesday 25th	16:00	SM2 - MORSE
A24.09/A24.13 - T2	679602313d1ef	Real-time Virtual Environment and Room Acoustics Simulator	Oral	Wednesday 25th	16:20	SM2 - MORSE
A24.09/A24.13 - T3	676559f5d14a6	Auralization in a moving base driving simulator as part of a digital twin	Oral	Wednesday 25th	16:40	SM2 - MORSE
A24.09/A24.13 - T4	67890b7a10900	Train Passing Synthesis in Environments Based on Geospatial Data	Oral	Wednesday 25th	17:00	SM2 - MORSE
A24.09/A24.13 - T5	67938f698c645	Measurement-Based Sound Source Modeling of Moving Vehicles for Auralizations Utilizing Acoustic Beamforming	Oral	Wednesday 25th	17:20	SM2 - MORSE
A24.09/A24.13 - T6	678e625ed4bfd	A Comparative Evaluation of Room Acoustics Rendering Methods for Binaural Audio	Oral	Wednesday 25th	17:40	SM2 - MORSE
A24.09/A24.13 - T7	6793ccf6d8613	Exploring simple methods for room absorption estimation in early reflections for binaural audio rendering	Oral	Wednesday 25th	18:00	SM2 - MORSE
A24.09/A24.13 - T8	6796310f8465d	Perception of Simulated Moving Sound Sources in Reverberant Virtual Audio-visual Environments	Oral	Wednesday 25th	18:20	SM2 - MORSE
A24.09/A24.13 - P1	67bbee04c5070	Complex room acoustics rendering with multi-zone auralization: Application to Teatro Principal de Valencia	Poster			Tuesday Morning

**Session Title: A24.11/A16.07 Processing/individualization/interpolation of HRIRs or BRIRs**

Organizer: A. Andreopoulos

ID	REFERENCE	TITLE	TYPE	Date	Time	Room
A24.11/A16.07 - T1	678e46dc68f9f	HRTF Database Matching for Localization Accuracy Applications	Oral	Wednesday 25th	11:20	SM2 - MORSE
A24.11/A16.07 - T2	67939dc706504	Investigating the Effect of Skin and Hair Absorption on Numerically Simulated HRTFs	Oral	Wednesday 25th	11:40	SM2 - MORSE
A24.11/A16.07 - T3	679d1a0e4543e	Computation	Oral	Wednesday 25th	12:00	SM2 - MORSE
A24.11/A16.07 - P1	678b85cac021a	Deep Generative Models for Interpolating Sparse HRTF Measurements	Poster			Wednesday Afternoon