

PROGRAMME & ORAL PRESENTATIONS

	5 Sept 2023	
8:00	REGISTRATION TO THE CONFERENCE	
9:30	OPENING CEREMONY	
10:00	PLENARY LECTURE: ANGELO FARINA Chair: Jonathan Berger	
10:30	QUESTIONS	
10:45	COFFEE BREAK	
	SS 1	6DoF - Hüseyin Hacıhabiboglu & Zoran Cvetkovic
11:00	9652 (R)	Perceptually Motivated Scene Description and Rendering for 6-DoF Immersive Music Experiences Jean-Marc Jot, Thibaut Carpentier and Olivier Warusfel
11:15	9012	User expectation of room acoustic parameters in VR environments Benjamin Burnett (University of Surrey), Annika Neidhardt (Technische Universität Ilmenau), Zoran Cvetkovic (King's College London), Hüseyin Hacihabiboglu (Middle East Technical University) and Enzo De Sena (University of Surrey).
11:30	7762 (R)	Treble Auralizer: a real time Web Audio Engine enabling 3DoF auralization of simulated room acoustics designs Alessia Milo (Treble Technologies), Jóhannes F. Einarsson (Treble Technologies), Úlfur Einarsson (Treble Technologies) and Finnur Pind (Treble Technologies).
11:45	9332	Navigable reconstruction of reverberant sound fields using distributed microphone arrays Antonio Figueroa-Duran (Technical University of Denmark) and Efren Fernandez-Grande (Technical University of Denmark).
12:00	1799	Sound field interpolation via sparse plane wave decomposition for 6DoF immersive audio

		Orhun Olgun (Middle East Technical University (METU)), Ege Erdem (Middle East Technical University (METU)) and Hüseyin Hacıhabiboglu (Middle East Technical University (METU)).
12:15	2231	<p><i>Perceptual evaluation of Adaptive Higher Order Ambisonics diffusion</i></p> <p>Adrien Vidal (Aix Marseille Univ, CNRS, PRISM), Mitsuko Aramaki (Aix Marseille Univ, CNRS, PRISM), Sølvi Ystad (Aix Marseille Univ, CNRS, PRISM) and Richard Kronland-Martinet (Aix Marseille Univ, CNRS, PRISM).</p>
12:30		REMOTE POSTER PRESENTATIONS
13:00		LUNCH
	SS6:	<p>Spatialisation, Binaural Reproduction and Personalisation of Audio in Virtual, Augmented Reality - Athanasios G Malamos (R) & Annika Neidhardt</p>
14:00	9891	<p><i>The effect of an audio-video stimulation on emotions: a virtual reality study</i></p> <p>Chiara Burattini (Department of Astronautical Electric and Energy Engineering, Sapienza University), Giulia D'Aurizio (Department of Biotechnological and Applied Clinical Science University of L'Aquila), Giuseppe Curcio (Department of Biotechnological and Applied Clinical Science University of L'Aquila) and Fabio Bisegna (Department of Astronautical Electric and Energy Engineering, Sapienza University).</p>
14:15	2211 (R)	<p><i>ISO X3D 4.0 Audio Graph for web3D applications. Latest trends in declarative 3d sound for the web.</i></p> <p>Maria Papadaki (Dept of Electrical and Computer Engineering), Eftychia Lakka (Faculty of Computing, Engineering and Science, University of South Wales), Georgios Daskalakis (Department of Electrical and Computer Engineering, Hellenic Mediterranean University), Richard Puk (Intelligraphics Incorporated), Don Brutzman (Naval Postgraduate School, Web3D Consortium) and Athanasios Malamos (Dept of Electrical and Computer Engineering, Hellenic Mediterranean University).</p>
14:30	2061 (R)	<p><i>Effects of the types of headphones and sound sources on spatial audio quality</i></p> <p>Yoshiharu Soeta (National Institute of Advanced Industrial Science and Technology (AIST)) and Takanobu Nishiura (Ritsumeikan University).</p>
14:45	7027	<p><i>Binaural synthesis adjusting a simple gain and delay based on the two-channel optimal source distribution</i></p>

		Motoki Yairi (Kajima Technical Research Institute), Tsuguto Hoshino (Kajima Technical Research Institute) and Takashi Takeuchi (OPSODIS Limited, University of Southampton, ISVR).
15:00	7612	<p>Effects of Modified Late Reverberation on Audio-Visual Plausibility and Externalization in AR</p> <p>Christian Schneiderwind (Technische Universität Ilmenau), Maike Richter (Technische Universität Ilmenau), Nils Merten (Brandenburg Labs GmbH) and Annika Neidhardt (Technische Universität Ilmenau).</p>
15:15	144	<p>Blind Localization of Room Reflections with Application to Spatial Audio</p> <p>Yogev Hadadi (School of Electrical and Computer Engineering, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel), Vladimir Turbabin (Reality Labs, Meta, 1 Hacker Way, Menlo Park, CA 94025, USA), Paul Calamia (Reality Labs, Meta, 1 Hacker Way, Menlo Park, CA 94025, USA) and Boaz Rafaely (School of Electrical and Computer Engineering, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel).</p>
15:30		COFFEE BREAK & POSTER SESSION
	SS2:	Perceptual requirements and room acoustic simulation complexity - Bernhard Seeber & Stephan Ewert
16:00	1241	<p>The Complex Image Method for Simulating Wave Scattering in Room Acoustics</p> <p>Orchisama Das (University of Surrey) and Enzo De Sena (University of Surrey).</p>
16:15	8185	<p>On the relevance of acoustic measurements for creating realistic virtual acoustic environments</p> <p>Siegfried Gündert (Carl von Ossietzky Universität Oldenburg, Cluster of Excellence, Hearing4all), Stephan Ewert (Carl von Ossietzky Universität Oldenburg, Cluster of Excellence, Hearing4all) and Steven van de Par (Carl von Ossietzky Universität Oldenburg, Cluster of Excellence, Hearing4all).</p>
16:30	3588	<p>Evaluation of virtual acoustic environments with different acoustic levels of detail</p> <p>Stefan Fichna (Carl von Ossietzky University Oldenburg), Steven van de Par (Carl von Ossietzky University Oldenburg) and Stephan D. Ewert (Carl von Ossietzky University Oldenburg).</p>
16:45	6432	<p>The Localizability of the Closest Wall with a Speaking Avatar at Increasing Distances in Three Rooms</p> <p>Annika Neidhardt (Technische Universität Ilmenau).</p>

17:00	9367	A Two-Dimensional Threshold Test for Reverberation Time and Direct-to-Reverberant Ratio Nils Meyer-Kahlen (Reality Labs Research), Sebastià Amengual Garí (Reality Labs Research), Ishwarya Ananthabhotla (Reality Labs Research) and Paul Calamia (Reality Labs Research).
	SS4	Tools, Technologies, and Formats - Thibaut Carpentier & Jean-Marc Jot (R)
17:15	920	How to Spatial Audio with the WebXR API: a comparison of the tools and techniques for creating immersive sonic experiences on the browser Matteo Tomasetti (University of Trento, Department of Information Engineering and Computer Science), Alberto Boem (University of Trento, Department of Information Engineering and Computer Science) and Luca Turchet (University of Trento, Department of Information Engineering and Computer Science).
17:30	993	Latency of spatial audio plugins: a comparative study Matteo Tomasetti (University of Trento, Department of Information Engineering and Computer Science), Angelo Farina (University of Parma) and Luca Turchet (University of Trento, Department of Information Engineering and Computer Science).
17:45	9048	ADM-OSC: an industry initiative for communicating object-based audio data Michael Zbyszyński (L-Acoustics), Hervé Déjardin (Radio France), David Marston (BBC) and Guillaume Le Nost (L-Acoustics).
18:00	7708	Software Tools for Flexible Control of Radiation Synthesis Thibaut Carpentier (STMS Lab, IRCAM, CNRS, Sorbonne Université), Olivier Warusfel (STMS Lab, IRCAM, CNRS, Sorbonne Université) and Jean-Marc Jot (Virtuel Works, LLC).
18:15	1113	Instrument Position in Immersive Audio: An Empirical Review of Award Winning Practices Alfonso Lopes (Faculty of Engineering of the University of Porto), Gilberto Bernardes (Faculty of Engineering of the University of Porto and INESC TEC) and José Ricardo Barboza (Faculty of Engineering of the University of Porto).

	6 Sept 2023	
8:30	SECRETARIAT DESK OPENING	
	SS 11:	Application of 3D audio to room acoustics design - Louena Shtrepi & Antonella Bevilacqua

9:00	1527	A Generic Reverberation Characterization Metric for Accurate Simulation in Virtual and Augmented Reality Environments Jeroen Koppens (Koninklijke Philips N.V.,), Patrick Kechichian (Koninklijke Philips N.V.) and Sam Jelfs (Koninklijke Philips N.V.,).
9:15	7134	Discussion of Acoustic and Perceptual Optimization Methods for Measuring Spatial Room Impulse Responses with a Mobile Robotic Platform Georg Stolz (Technische Universität Ilmenau), Florian Klein (Technische Universität Ilmenau), Stephan Werner (Technische Universität Ilmenau), Lukas Treybig (Technische Universität Ilmenau), Andreas Bley (MetraLabs GmbH) and Christian Martin (MetraLabs GmbH).
9:30	8461	An investigation on the spatial adaptation of an artistic performance in contemporary churches Louena Shtrepi (Politecnico di Torino), Angela Guastamacchia (Politecnico di Torino), Arianna Astolfi (Politecnico di Torino) and Marco Masoero (Politecnico di Torino).
09:45	9878	Auralization of Three-Dimensional Sound Field in an Acoustic Scale Model Using Laser-Induced Sound Sources Kazunori Suzuki (Takenaka Research & Development Institute), Shinichiro Koyanagi (Takenaka Research & Development Institute) and Takayuki Hidaka (Takenaka Research & Development Institute).
10:00		PLENARY LECTURE - FILIPPO FAZI Chair: Boaz Rafaely
10:30		QUESTIONS
10:45		COFFEE BREAK
	SS 10	Sound Field Synthesis - Filippo Fazi & Michael McLoughlin
11:00	9981	Local Wave Field Synthesis by Temporal Bandlimitation Gergely Firtha (Laboratory of Acoustics and Studiotechnics, Budapest University of Technologies and Economics), Nara Hahn (Institute of Sound and Vibration Research, University of Southampton), Frank Schultz (Institute of Communications Engineering, University of Rostock) and Péter Fiala (Laboratory of Acoustics and Studiotechnics, Budapest University of Technologies and Economics).

11:15	7976	Time-domain local wave field synthesis of virtual point sources Nara Hahn (University of Southampton), Frank Schultz (University of Rostock) and Sascha Spors (University of Rostock).
11:30	9671	Spatial Audio Panning With Elevated Sources Using Horizontal-Only Reproduction Loudspeakers Jacob Hollebon (University of Southampton) and Filippo Fazi (University of Southampton).
11:45	3016	Extraction of Ambience Sound from Microphone Array Recordings for Spatialisation Vlad-Stefan Paul (University of Southampton), Nara Hahn (University of Southampton) and Jacob Hollebon (University of Southampton).
12:00	7181	Autogenous Spatialization for Arbitrary Loudspeaker Setups Zeyu Yang (Technical University of Berlin) and Henrik von Coler (Technical University of Berlin).
12:15	2831	Towards a Data Driven Rendering Algorithm for Visually Impaired Film and Television Audiences Michael McLoughlin (University of York), Mariana Lopez (University of York), Kristián Hofstädter (University of York) and Gavin Kearney (University of York).
12:30	8270	Physically accurate binaural reproductions from broadband wave-based room acoustics simulations, and comparison with measurements Matthias Cosnefroy (Treble Technologies), Steinar Guðjónsson (Treble Technologies) and Finnur Pind (Treble Technologies).
12:45	1992 (R)	Spatial Audio Production with a New Volumetric Amplitude Panning and Diffusion Technique Saarish Kareer (Embody) and Kaushik Sunder (Embody).
13:00	LUNCH	
	SS 5:	Immersive environments in humanities research - Jonathan Berger & Cobi van Tonder
14:00	669	Exploring the past with virtual acoustics and virtual reality Nima Farzaneh (Stanford University), Eito Murakami (Stanford University), Jonathan Berger (Stanford University) and Luna Valentin (Stanford University).
14:15	9290 (R)	Nightports at Hull Minster: Physical, Hybrid and Virtualized Live Loudspeaker Array Spatialization of Electronic Music Performance Matt Barnard (University of Hull), Mark Slater (University of Hull) and Adam Martin (University of Huddersfield).

14:30	3671	<i>Listen to the theatre! Exploring Florentine performative spaces</i> Andrea Gozzi (Dipartimento SAGAS, Università degli Studi di Firenze) and Gianluca Grazioli (Schulich School of Music - McGill University).
14:45	5308	<i>Psychoacoustics of rock art sites: the case study of the shelters Diosa I and Horadada (Cádiz, Spain)</i> Samantha López-Mochales (Brainlab - Cognitive Neuroscience Research Group, Institute of Neurosciences, UB, Barcelona), Lidia Alvarez-Morales (Institut d'arqueologia UB, Departament d'història i arqueologia UB), Neemias Santos da Rosa (Institut d'arqueologia UB, Departament d'història i arqueologia UB), María Lazarich (Departamento de Historia Geografía y Filosofía, Universidad de Cádiz), Margarita Díaz-Andreu (Institut d'arqueologia UB, Departament d'història i arqueologia UB, ICREA) and Carles Escera (Brainlab, Institut de Neurociències UB, ICREA, IRSJD).
15:00	COFFEE BREAK & POSTER SESSION & VR SESSION	
	SS 3	Digital Approaches to Hearing the Past - Angela Bellia (R) & Antonella Bevilacqua
16:00	1271 (R)	<i>Recovering the intangible acoustic heritage of rock art sites: El Tajo de las Figuras as case study</i> Lidia Alvarez-Morales (Departament d'Història i Arqueologia, Universitat de Barcelona, Spain), Neemias Santos da Rosa (Departament d'Història i Arqueologia and Institut d'Arqueologia, Universitat de Barcelona, Spain), Daniel Benítez-Aragón (Departament d'Història i Arqueologia, Universitat de Barcelona, Spain), María Lazarich (Departamento Historia, Geografía y Filosofía, Universidad de Cádiz, Spain) and Margarita Díaz-Andreu (Departament d'Història i Arqueologia and Institut d'Arqueologia, Universitat de Barcelona, Spain; ICREA, Spain).
16:15	9822 (R)	<i>Listening in Ancient Spaces: Towards an aural architecture in the past</i> Angela Bellia (CNR, ISPC (National Reserach Council of Italy, Institute of Heritage Science)).
16:30	6258	<i>Study on Sound and Sound Design for Accessibility in Cultural Heritage Contexts in Ireland</i> Caitlin Kelly (MTU Cork School of Music, SFI Advance CRT).
16:45	7787	<i>Towards the evaluation of marine acoustic biodiversity through data-driven audio source separation</i> Michele Mancusi (Sapienza - University of Rome), Emanuele Rodolà (Sapienza - University of Rome), Silvia Zuffi (IMATI-CNR) and Nicola Zonca (Studio Arki).

17:00:	7792 (R)	<i>Spatial Sampling in Mixed Reality: A Review of Ten Years of Research and Creation</i> Gregory Beller (HfMT Hamburg).
	SS 12	<i>3D Acoustics Measurements in Auditorium and Concert Halls: Case Studies - Ruoran Yan & Octávio Inácio</i>
17:15	8155 (R)	<i>Designing for Spatial Sound in a Challenging Auditorium Renovation</i> John O'Keefe (O'Keefe Acoustics).
17:30	1371	<i>Computer-aided acoustic design of concert halls</i> Benoit Beckers (Urban Physics Joint Laboratory), Inès de Bort (Urban Physics Joint Laboratory) and Jairo Acuña Paz Y Miño (Urban Physics Joint Laboratory).
17:45	643 (R)	<i>Personalized Spatial Audio Tools for Immersive Audio Production and Rendering</i> Kaushik Sunder (Embody), Saarish Kareer (Embody), Scott Murakami (Embody) and Axel Borgmo (Embody).
18:00	2980	<i>On the acoustic track of the Teatro del Maggio Musicale of Florence</i> Antonella Bevilacqua (University of Parma) and Lamberto Tronchin (University of Bologna).
18:15	2715	<i>Acoustic characterization of the new theatre in Amarante</i> Octávio Inácio (InAcoustics, Lda.), Filipe Martins (InAcoustics, Lda.), André McDade (InAcoustics, Lda.) and Daniel José (InAcoustics, Lda.).
20:00	SOCIAL DINNER	

	7 Sept 2023	
8:30	SECRETARIAT DESK OPENING	
	SS 19	<i>New methods for enhancing 3D Sound - Richard Foss & Nicola Prodi</i>
09:00	8583	<i>Using response time to evaluate noise fluctuations and Lombard speech in auralizations</i> Nicola Prodi (Dipartimento di Ingegneria, Università di Ferrara) and Chiara Visentin (Dipartimento di Ingegneria, Università di Ferrara).

09:15	2028	<i>Enhancing Object Audio Control within an Immersive Sound System</i> Richard Foss (Rhodes University) and Lukas Klingebiel (Coda Audio).
09:30	2230	<i>Enhancing Virtual Audio Immersion Using Binaural Mesh</i> Ivica Bukvic (Virginia Tech).
09:45	4935	<i>Performance Optimization of Personal Sound Zones with Crosstalk Cancellation</i> Yue Qiao (Princeton University) and Edgar Choueiri (Princeton University).
10:00		PLENARY LECTURE HÜSEYIN HACIHABIBOĞLU Chair: Zoran Cvetkovic
10:30		QUESTIONS
10:45		COFFEE BREAK
	SS13 & SS7	3D Audio: Nonlinear Acoustics and Automotive - Valeria Bruschi & Daniel Pinardi
11:00	1297 (R)	<i>An Evaluation of the Presentation of Acoustic Cues for Shorelining Techniques</i> Minh Nguyen (University of Technology, Sydney), Howe Zhu (University of Technology, Sydney), Lil Deverell (The University of Sydney), Craig Jin (The University of Sydney), Chin-Teng Lin (University of Technology, Sydney), Vincent Nguyen (University of Technology, Sydney), Avinash Singh (University of Technology, Sydney) and Huiyuan Sun (The University of Sydney).
11:15	8497	<i>Noncontact Measurements of Sound Absorption Coefficient with a Pressure-velocity Probe, a Laser Doppler Vibrometer, and a Microphone Array</i> Leonardo Saccenti (University of Parma), Jessica Ferrari (University of Parma), Daniel Pinardi (University of Parma) and Angelo Farina (University of Parma).
11:30	9987	<i>Transducer Distribution on Spherical Arrays for Ambisonics Recording and Playback</i> Daniel Pinardi (University of Parma), Angelo Farina (University of Parma) and Marco Binelli (University of Parma).
11:45	7975	<i>Design of an Active Noise Reduction System for a Cogeneration Plant</i> Emanuele Voltolini (University of Parma), Daniel Pinardi (University of Parma), Andrea Toscani (University of Parma), Marco Binelli (University of Parma), Angelo Farina (University of Parma).

		Parma), Jessica Ferrari (University of Parma), Stefano Maglia (AB Impianti Srl), Andrea Zenaro (AB Impianti Srl) and Enrico Calzavacca (AB Impianti Srl).
	SS15 & SS 16	The Acoustics of Sacred Spaces - Auralization and Soundscape - Gino Iannace & Antonella Bevilacqua
12:00	8664	Acoustics and prayers: investigations on the Great Mosque of Tirana, Albania Silvana Sukaj (Department of Engineering and Architecture, European University of Tirana (UET), 1000 Tirana, Albania), Antonella Bevilacqua (Department of Industrial Engineering, University of Parma, 43124 Parma, Italy), Gino Iannace (Department of Architecture and Industrial Design, University of Campania Luigi Vanvitelli, 81031 Aversa, Italy) and Feriel Saidane (Laboratory ETAP, university of Saad Dahlab, Blida 1, Algeria).
12:15	8942 (R)	DUET combined with HRTF mask Ryota Shimokura (Graduate School of Engineering Science, Osaka University), Yuna Kitano (Graduate School of Engineering Science, Osaka University) and Youji Iiguni (Graduate School of Engineering Science, Osaka University).
12:30	350 (R)	Soundscape as a Tool for Place-Making in Industrial Heritage Sites Lei Sun (Università di Bologna).
12:45	9757	From Concert Halls to City Streets: Bridging the Gap Between Room Acoustics and Urban Acoustics Inès de Bort (Urban Physics Joint Laboratory), Jairo Acuña Paz Y Miño (Urban Physics Joint Laboratory) and Benoit Beckers (Urban Physics Joint Laboratory).
13:00	LUNCH & POSTER SESSION	
14:00	Audioscenic Demo- The new dimension in sound	
	SS 8:	Music, Sound and Space - Cobi van Tonder & Giulia Vismara
14:30	2217	Immersive spatialized live music composition with performers: a case study, Le vent qui hurle Nicola Giannini (Université de Montréal - CIRMMT).
14:45	8365	New perspectives in virtual environments for opera music Andrea Bareggi (Opera Network; ESME School of Engineering; Conservatory "C.Monteverdi" of Cremona), Federico Bardazzi (Conservatory "G. Puccini" of La Spezia), Lamine Amour (ESME

		School of Engineering) and Michal Ostrowicki (Jagiellonian University).
15:00	4464	<p><i>Setup for choir recordings in virtual churches</i></p> <p>Pascal Palenda (Institute for Hearing Technology and Acoustics, RWTH Aachen University), Lukas Aspöck (Institute for Hearing Technology and Acoustics, RWTH Aachen University), Stefan Morent (Department of Musicology, University of Tübingen) and Michael Vorländer (Institute for Hearing Technology and Acoustics, RWTH Aachen University).</p>
15:15	5088	<p><i>Immersive Venice - A Thousand Echoes</i></p> <p>Giulia Vismara (Royal Academy and Conservatory Anvers), Cobi van Tonder (University of Bologna) and Angela MacArthur (Dept. Archeology University College of London).</p>
15:30		GOODBYE COFFEE

PROGRAM POSTER PRESENTATIONS

5 SEPTEMBER h 12.30

1525 REMOTE	<i>Reverberation time prediction using diverse models</i> Nicola Granzotto (Progetto Decibel S.r.l.) and Marco Caniato (Free University of Bozen-Bolzano).
3381 REMOTE	<i>Spatial audio in YouTube VR videos and its impacts on audience engagement</i> Huyen Nguyen (Kansas State University) and Madeline Willson (Kansas State University).
8274 REMOTE	<i>Acoustic evaluation of some churches located in south of Italy</i> Ilaria Lombardi (Università della Campania Luigi Vanvitelli), Amelia Trematerra (Università della Campania Luigi Vanvitelli), Silvana Sukaj (University of Tirana (UET)) and Giovanni Amadasi (SCS-ControlSys - Vibro-Acoustic, Padova, Italy).
5207 REMOTE	<i>A Machine Learning Approach to Predicting Personalized Head Related Transfer Functions and Headphone Equalization from Video Capture Data</i> Nikhil Javeri (Embody), Prabal Bijoy Dutta (Embody), Kaushik Sunder (Embody) and Kapil Jain (Embody).
8724 REMOTE	<i>Ambisonic room impulse responses extrapolation guided by single microphone measurements</i> Yake Fan (Center of Intelligent Acoustics and Immersive Communications, Northwestern Polytechnical University) and Wen Zhang (Center of Intelligent Acoustics and Immersive Communications, Northwestern Polytechnical University).
194	<i>Estimation of Diagonal Volterra Kernels of an Audio System During Normal Operation with Multiple Least Mean Squares Adaptive Filters</i> Daniel Pinardi (University of Parma), Angelo Farina (University of Parma), Marco Binelli (University of Parma) and Andrea Toscani (Università di Parma).
659	<i>Preliminary evaluation of a sound system employing a cancelling auralizer for producing virtual rooms in a modern recording studio</i> Gianluca Grazioli (McGill University), Vlad Baran (McGill University), Kathleen Ying-Ying Zhang (McGill University), Aybar Aydin (McGill University) and Wieslaw Woszczyk (McGill University).
722	<i>From prayer to music: acoustic studies of a theatre in Crema realized inside the St Dominic church</i>

	Ruoran Yan (Department of Architecture, Bologna), Giacomo Tentoni (Gruppo CSA SpA Rimini), Alessandro Martinetti (Gruppo CSA SpA Rimini) and Van Tonder Cobi (Department of Architecture, Bologna).
1379	Measurements of Room Acoustic with Two Different Methods - A Case Study Ruoran Yan (University of Bologna), Cobi van Tonder (University of Bologna) and Lamberto Tronchin (DA - CIARM).
1450	Conversion of a church into a concert hall: discussions about concerns and acoustic design solutions Gino Iannace (University of Campania), Luigi Guerriero (University of Salerno), Umberto Berardi (Toronto Metropolitan University - Canada,), Giovanni Amadasi (SCS-ControlSys - Vibro-Acoustic, Padova, Italy) and Silvana Sukaj (Department of Engineering and Architecture, European University of Tirana).
1822	Application of different types of microphones in room impulse response measurements. Maciej Jasiński (Warsaw University of Technology) and Jan Źera (Warsaw University of Technology).
2117	A study on the spatial sound propagation characteristics of the Argentina Theater in Rome Lamberto Tronchin (University of Bologna), Cobi van Tonder (University of Bologna) and Ruoran Yan (University of Bologna).
2280	Reconstructing the Dynamic Directivity of Unconstrained Speech Camille Noufi (Stanford University), Dejan Markovic (Meta Reality Labs Research) and Peter Dodds (Sonos, Inc. (Formerly at Meta Reality Labs Research)).
3267	Sweet melody: the acoustic analysis of the Auditorium Paganini realised inside a dismissed sugar factory Antonella Bevilacqua (University of Parma), Giacomo Tentoni (Gruppo CSA SpA Rimini) and Alessandro Martinetti (Gruppo CSA SpA Rimini).
3844	Immersive networked music performance systems: identifying latency factors Luca Turchet (University of Trento, Department of Information Engineering and Computer Science) and Matteo Tomasetti (University of Trento, Department of Information Engineering and Computer Science).

6 SEPTEMBER h 15.00

2694	Explore the acoustics of Teatro dell'Opera of Rome Lamberto Tronchin (University of Bologna), Antonella Bevilacqua (University of Parma), Ruoran Yan (University of Bologna) and Cobi van Tonder (University of Bologna).
3772	Teatro della Fortuna of Fano: acoustic evaluation Antonella Bevilacqua (University of Parma), Giacomo Tentoni (Gruppo CSA SpA Rimini) and Alessandro Martinetti (Gruppo CSA SpA Rimini).
3878	A New HRTF Interpolation Approach for Nonlinear 3D Audio Systems Valeria Bruschi (Università Politecnica delle Marche), Nefeli Dourou (Università Politecnica delle Marche), Alberto Carini (University of Trieste) and Stefania Cecchi (Università Politecnica delle Marche).
4265	Effect of the finishing on the sound absorption characteristic of a mineral wool Edoardo Alessio Piana (University of Brescia) and Andrea Breviario (Independent consultant).
4275	Teatro India "Sala B": acoustic analysis and descriptions Cobi van Tonder (University of Bologna), Ruoran Yan (University of Bologna) and Lamberto Tronchin (University of Bologna).
9422	Acoustic characterisation of hosiery factory waste materials Edoardo Alessio Piana (University of Brescia).
4518	Measuring the influence of audio on immersive experience in extended reality and digital games: a systematic review Jacob Hedges (University of Technology Sydney), Robert Sazdov (University of Technology Sydney) and Andrew Johnston (University of Technology Sydney).
4764	The effect of immersive audio rendering on listeners' emotional state Nefeli Dourou (Università Politecnica delle Marche), Valeria Bruschi (Università Politecnica delle Marche), Andrea Generosi (Università Politecnica delle Marche), Maura Mengoni (Università Politecnica delle Marche) and Stefania Cecchi (Università Politecnica delle Marche).

4952	A Comparative Analysis of Speaker and Headphone-Based Immersive Audio in VR and Gaming Applications Kyle Marais (Rhodes University) and Richard Foss (Rhodes University).
5096	An examination of the acoustic characterization of Teatro India "Sala Oceano" in Rome. Cobi van Tonder (University of Bologna), Ruoran Yan (University of Bologna) and Lamberto Tronchin (University of Bologna).
8019	Characteristics of the Teatro India "Sala A" of Rome: new acoustic perspectives Ruoran Yan (University of Bologna), Cobi van Tonder (University of Bologna) and Lamberto Tronchin (University of Bologna).
5351	Convolution, virtual acoustics, and interactions with impossible worlds Eoin Callery (Irish World Academy of Music and Dance), Jonathan Abel (CCRMA - Stanford university), Elliot Canfield-Dafilou (Institut Jean le Rond d'Alembert, Sorbonne Université/CNRS) and Jelena Perišić (Irish World Academy of Music and Dance).

7 SEPTEMBER h 13.00

6668	A small Opera theatre in the province of Cremona: the acoustics of the Social theatre of Soresina Ruoran Yan (University of Bologna), Giacomo Tentoni (Gruppo CSA SpA Rimini) and Alessandro Martinetti (Gruppo CSA SpA Rimini).
6922	Spherical Wave Diffraction for Microphone Arrays Operating in Near Field Daniel Pinardi (University of Parma).
7389	The workmanship of luthiers in the house of violin: The Auditorium G. Arvedi of Cremona and the acoustic features suggested by Toyota and Nagata Antonella Bevilacqua (University of Parma), Alessandro Martinetti (Gruppo CSA SpA Rimini) and Giacomo Tentoni (Gruppo CSA SpA Rimini).
8006	Acoustic exploration inside the mosque of Sidi Soufi in Bejaia, Algeria Feriel Saidane (Laboratory ETAP, university of Saad Dahlab, Blida 1, Algeria) and Gino Iannace (Department of Architecture and Industrial Design, University of Campania Luigi Vanvitelli, 81031 Aversa, Italy).

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