Institute of Acoustics
Sound · Noise · Vibration

# REPRODUCED SOUND 2026

MEASURED. MODELLED.
HEARD.

## MONDAY, 16th NOVEMBER

17:00 Registration

**20:00** **Monday evening demonstration: Coda Audio showcasing their latest technologies and products**
The evening will be hosted by Robin Dibble from Coda Audio, supported by George Puttock from Adlib, Coda's UK distribution partners. The demo will look at key products from their range, including their new Wid Band Cardioid ViForce line array modules and their partner subwoofers.

## TUESDAY, 17th NOVEMBER

08:00 Registration and refreshments

**08:50** **Conference opening and welcome address**
EAG Chairman, Ludovico Ausiello

### PETER BARNETT MEMORIAL AWARD and LECTURE

**09:00** **Peter Barnett Memorial Award presentation**
IOA President, Paul Shields (TBC)

**09:10** **From Stereo to Surround and Back Again**
Bruce Wiggins

10:30 Refreshments

### SESSION 1: MEASUREMENT, MODELLING + EVALUATION 1

**Chair: Ludovico Ausiello**

**11:00** **Investigating metrics to characterise the acoustic interactions between sound systems and rooms**
DB Moore, P Basilo, E Corteel, O Hafstein Pjetursson, N Epain, P Coleman, L-Acoustics, Treble Technologies

**11:30** **Concealed Loudspeaker Systems in Venue Acoustic Simulations**
Emad El-Saghir, Dar, UK

## SESSION 2 – AUDIO SIGNAL PROCESSING + SYSTEM DESIGN

**Chair: Glenn Leembruggen**

**12:00** **Applying Modern Spline Based Sampling To Digital To Analogue Conversion**
Jamie Angus-Whiteoak, Consultant

**12:30** **The Inter-Aural Research Deficit in Sound Reproduction**
Thomas Lund, Genelec

13:00 Lunchbreak

## SESSION 3 – LOUDSPEAKERS 1

**Chair: Keith Holland**

**14:00** **True or False? Do line-array loudspeakers produce a distance attenuation of 3 dB per distance-doubling?**
Glenn Leembruggen, Acoustic Directions, Australia

**14:30** **Simulated free-field (quasi-anechoic) measurements of loudspeakers in small rooms using far-field, nearfield and semi-nearfield measurements**
Andrew Watson, Stonegate Acoustics Ltd

**15:00** **Linear and non-linear solutions for multiple-listener sound field control.**
Vlad Paul, Philip Nelson, ISVR

**15:30** **Simulation-Driven Equalization of Curved Line Arrays Using a Single-Enclosure Impulse Response**
Lukas Gölles, Matthias Frank, Franz Zotter, Institute of Electronic Music and Acoustics, Austria

16:00 Refreshments

## SESSION 4 - POSTER SESSION 1

**16:00** **Structure-Borne Vibration as a Supplement to Live Sound Reinforcement**
Michael Klett, Adam Hill, University of Derby

**16:00** **DNN-based control filter prediction in a head-tracked active headrest system**
Yuteng Liu, ISVR

## SESSION 5 - DIVERSITY

**Chair: Mark Bailey**

**16:30** **Diversity: Encouraging and welcoming more people into our industry**
Chair/Presenter: Mark Bailey

## SESSION 6 – MEASUREMENT, MODELLING + EVALUATION 2

**Chair: Letizia Chisari**

**17:00** **Comparing sound system optimization workflows within free-field and environmental acoustic simulation tools**
DB Moore, P Basilio, S Böldt, YG Gicquel, T Mouterde, E Corteel, L-Acoustics

**17:30** **Room Acoustic Analysis by a 2.5 Dimensional Boundary Element Method**
Patrick Macey, PACSYS

**18:00** **Apples v Oranges. How can you compare?**
Mark Bailey, MBAV Ltd.

18:30 EAG AGM

19:30 Conference Reception and Dinner

# WEDNESDAY 18th NOVEMBER

08:00 Registration and refreshments

## SESSION 7 – IMMERSIVE AUDIO

**Chair: David Carugo**

**09:00** **AReview of Spatial Impulse Response Encoding Techniques and its validation**
Dongin Kim, Filippo Fazi, ISVR

**09:30** **Creative Uses of Reverb to Construct Liminal and Hyperreal Spaces in Atmos Mixes**
Helen Noir, Guildhall School of Music & Drama

**10:00** **Design of a cylindrical loudspeaker for an immersive audio listening environment**
Jonathan Hargreaves, Bruno Fazenda, Sean Nielsen, Faraz Falahi, University of Salford

**10:30** **Evaluating the Perceptual Boundaries of Time-of-Flight Variations in Immersive Sound Reinforcement**
Lukas Rieder, Lukas Gölles, Institute of Electronic Music and Acoustics, Austria

11:00 Refreshments

## SESSION 8 - POSTER SESSION 2

**11:00** **Sound, Gesture and Technology: Embodied Knowledge**
Maria Morena, Freelance sound engineer, Brazil

## SESSION 9 – AUDIO SYSTEM DESIGN

**Chair: Ludovico Ausiello**

**11:30** **Designing to Commission: A case study on accuracy**
Andrew Horsburgh, Bose Professional

**12:00** **Acoustic Compromise in Repurposed Heritage Buildings: Pragmatic Intervention for Sound Reinforcement**
Mark Dring, Jon Burton, Kit Lane, University of Derby

**12:30** **Beyond Compliance: Is ESG Becoming the AV Industry's Next Competitive Advantage?**
Lucy Bailey, MBAV Ltd.

13:00 Lunchbreak

## SESSION 10 – PSYCHOACOUSTICS + INTELLIGIBILITY

**Chair: Mark Bailey**

**14:00** **De-emphasising the Cochlea: Merleau-Ponty, Pressure Change and the Lived Body**
Jon Burton, University of Derby

**14:30** **Affordable Embedded Measurement System for Acoustic Musical Instruments Based on Microcontroller and Bluetooth Interface**
Andrea Catellani, Ludovico Ausiello, Fabrizio Pancaldi, University of Portsmouth

**15:00** **Speech Intelligibility and Acoustic Performance in Three UK Primary Schools: A Comparative Investigation**
Ken Liston, Nottingham Trent University

**15:30** **Restoring Speech Intelligibility: Low-Cost Acoustic Mitigation of Rain Noise on Metal-Roofed Sub-Saharan Classrooms**
Bhekisizwe Edwin Dlamini, BeeComb Workshop, Eswatini

16:00 Refreshments

## SESSION 11 – LOUDSPEAKERS 2

**Chair: Andrew Horsburgh**

**16:30** **Broadband 3D Acoustic Metasurfaces for Advanced Loudspeaker Radiation Control**
Letizia Chisari, University of Sussex

**17:00** **JAX-ECM: Gradient-based optimisation of equivalent circuit models using automatic differentiation**
James Hipperson, Funktion-One

**17:30** **Ameasurement-based approach to drum kit microphone technique**
David Carugo, Oxford Brookes University

18:00 End of Conference