

REPRODUCED SOUND 2025

PASSION, PROCESSING AND PERCEPTION

Providing a more realistic sound image like Auditorium Acoustics

TUESDAY, 18TH NOVEMBER

17:00 Registration

20:00 Modern analogue engineering in a digital world

KV2 Audio introduce you to their world of designing and building a range of analogue controlled Loudspeaker products, which challenge industry norms and focus on ultimate audio quality. Their products are highly regarded and feature in many of the top West End / Broadway theatre productions, such as The Lion King, Mamma Mia! and Cabaret. Along with an explanation and introduction to the brand will be an audio demonstration of several product lines in order to open up discussions and really hear the difference their technologies can make.

WEDNESDAY, 19TH NOVEMBER

08:00 Registration and refreshments

09:00 Conference opening and welcome address

EAG Chairman, Ludovico Ausiello

PETER BARNETT MEMORIAL AWARD and INVITED LECTURE

09:15 Peter Barnett Memorial Award presentation

09:15 Interactive Sound Zones for Better Living – results from the ISOBEL project

Professor Soren Bech, Systematic

10:30 Refreshments

SESSION 1 – SPATIAL AND VIRTUAL AUDIO

Chair: Mark Bailey

11:00 Spatial Listening as Aesthetic Practice and Method: Phenomenological Approaches to Immersive Sound Environments

Teresa Carrasco, Academy of Arts

11:30 3D print your own head

Dr Mike Smyth, Smyth Research Ltd

12:00 Generating ad-hoc surround upmixes from stereo source material at live events

David Carugo, Oxford Brookes University

12:30 Estimating Directional Room Impulse Responses at New Listening Positions by Interpolation of Triangulated Direct Sound and Specular Reflection Measurements

Jiahong Zhaoa, University of Southampton; Xiguang Zhengc, Kuaishou Technology Co; Christian Ritz & Hualin Renb, University of Wollongong; Daeyoung Jang, Electronics & Telecommunications Research Institute

13:00 Lunchbreak

SESSION 2 – MEASUREMENT AND MODELLING

Chair: Bob Walker

14:00 Tonescaping: correlation of acoustic measurements with perceived tonal dimensions. An overview

Ludo Ausiello, Charles Bowkett, University of Portsmouth

14:30 Loudspeaker Directionality Measurement by Planar Nearfield Acoustic Holography

Dr Jonathan Hargreaves & Toby Charity, Acoustics Research Centre, University of Salford

15:00 Simulation-based investigation of grill performance

Patrick Macey, PACSYS Limited; Kelvin Griffiths, Electroacoustic Design Ltd

15:00 Refreshments

15:30 SESSION 3 - NETWORKS

Chair: Rita Campos/Adam Hockley

15:30 'MILAN Networking & Distribution'

The current state of Milan-AVB Networking

Daniel Zimmerman, d&b audiotechnik;
Marc Benard, L-Acoustics

SESSION 4 - BUILDING/ARCHITECTURAL ACOUSTICS

Chair: Dan Pope

16:30 Solving the loudness vs. « sound » dilemma in small music rooms – can we learn from recording studio acoustics?

Martin Lachmann, Kuster + Partner AG

17:00 Integrating Electroacoustic and Room Acoustic Design for a Large-Scale Dome-Shaped Masjid in Nusantara, Indonesia's New Capital

Jason (Joey) Setiadi, Meinhardt Facade Technology;
Anugrah Sabdono Sudarsono, Bandung Institute of Technology

17:30 Public Address and Voice Alarm (PAVA) design in road tunnel environments

Ye Wilmshurst, MIOA Principal Acoustics Consultant, AECOM

18:00 End of day sessions

19:00 Conference Reception

19:30 Dinner

THURSDAY 20TH NOVEMBER

08:00 Registration and refreshments

SESSION 5 - SIGNAL PROCESSING CHAIR

Chair: Ludo Ausiello

09:00 Secondary path decomposition for an active noise cancellation (ANC) system using a delayed Inverse Filter identification method

Laurence Wilmshurst, ISVR Consulting

09:30 A method for moving virtual microphones using acoustic measurement data from musical instruments

David Carugo, Oxford Brookes University

10:00 Improved Localization for Binaural Recordings and Stereo Program Material Using 'Blumlein Shuffling'

Jonathan Digby, Adam Hill, Bruce Wiggins, University of Derby

10:30 THE SAMPLES ARE NOT WHAT THEY SEEM

Jamie Angus-Whiteoak, University of Salford

11:00 Refreshments

SESSION 6 - HEARING HEALTH CONSERVATION

Chair: Adam Hill

11:30 A sound future: Safe listening in the live music sector

Adam Hill, University of Derby

12:30 EAG AGM

13:00 Lunchbreak

SESSION 7 - TRANSDUCERS

Chair: Letizia Chisari

14:00 Designing and building a custom loudspeaker for intelligibility in a small church

Abe Scheele, AWN Consulting Limited

14:30 Achieving wide dispersion in single-box stereo speaker systems

Dr. Andrew Watson, Stonegate Acoustics Ltd.

15:00 A Method for Suppressing Enclosure Mode Leakage from Loudspeaker Ports

Kelvin Griffiths, Electroacoustic Design Ltd

15:30 Refreshments

SESSION 8 - INTELLIGIBILITY AND HEARING

Chair: Paul Malpas

16:00 Precision vs. Protection: A Comparative Study of Metronome Devices on Temporal Accuracy and Sound Exposure Risks for Drummers in Live Music

Tegan Bickmore, Jon Burton, Adam Hill, University of Derby

16:30 An investigation into improving the listening experience of autistic/neurodivergent people at live music events with haptic devices and hearing protection

Tayo Wilson, Jon Burton, Adam Hill, University of Derby

SESSION 9 - DIVERSITY

Chair: Mark Bailey

17:00 Diversity presentations and discussion

Mark Bailey, Collaboration Network

17:30 End of Conference Sessions