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**Held in association with the 4th International Symposium on
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PROGRAMME

Click on the title to see the abstract; click on the Paper No. to see the full paper, where available

Sunday 25th March

- 16:00 *Registration opens*
- 17:00 - **An introduction to the mathematics of Ambisonics**
18:00 *Filippo M Fazi, Institute of Sound and Vibration Research, UK*

Monday 26th March

- 08:30 *Registration, coffee*
- 09:00 **Welcome & Keynote: Ambisonics – Old and New**
by Peter Craven
- 09:50 **Session A: Microphones**
- 09:50 **Paper-01: Metrics for performance assessment of mixed-order Ambisonics spherical microphone arrays**
Sylvain Favrot & Marton Marschall, Technical University of Denmark
- 10:30 **Coffee**
- 11:15 **Paper-02: Investigations on cylindrical microphone arrays**
Fabio Kaiser, Hannes Pomberger & Franz Zotter, University of Music and Performing Arts, Austria
- 11:55 **Paper-03: A comparison of different surround sound recording and reproduction techniques based on the use of a 32 capsules microphone array, including the influence of panoramic video**
Fabio Manola, Adriano Farina & Andrea Genovese, University of York, UK
- 12:35-13:35 **Lunch**
- 13:40 **Session B: Binaural and Multichannel**
- 13:40 **Paper-04: HRTF interpolation and ITD personalization for binaural synthesis using spherical harmonics**
Matthieu Aussal, François Alouges & Brian FG Katz, LIMSI-CNRS, France
- 14:20 **Paper-05: Fast measurement system for spatially continuous individual HRTFs**
Martin Pollow, Bruno Masiero, Pascal Dietrich, Janina Fels & Michael Vorländer, ITA RWTH Aachen University, Germany
- 15:00 **Tea**
- 15:30 **Paper-06: Recording surround sound with height**
Mike Skeet, Freelance; John Willett, Circle Sound Services, UK
- 16:10 **Paper-07: Vambu Sound: A mixed-technique 4-D reproduction system with a heightened frontal localisation area**
Martin J. Morrell, Chris Baume & Joshua D. Reiss, Queen Mary University of London, UK
- 16:50 **Workshop 1: Future-proof surround sound mixing using Ambisonics and Reaper**
Bruce Wiggins, University of Derby, UK
- 17:50 **Close of Day 1 followed by Drinks Reception**
- 19:30 **Convene for evening meal**

