**TUESDAY 19 NOVEMBER 2019**

17:00 Registration

18:00 **Demonstration by Funktion One Research**

**WEDNESDAY 20 NOVEMBER 2019**

08 :00 Registration and refreshments

09 :00 Conference Welcome, Keith Holland, EAG Chairman

09 :15 **Peter Barnett Memorial Award**

Psychoacoustic quality evaluation in the context of interactive sound and virtual reality

Francis Rumsey, Logophon

10 :30 Refreshments

**Session 1 – Room acoustics and measurement**

11:00 An acoustic and audio survey of some English churches

Peter Mapp, Peter Mapp Associates

11:30 Acoustic design criteria for higher-education learning environments

Sebastian Duran, Ludovico Ausiello, Juan Battaner-Moro, Solent University

12:00 Condenser microphones and factors that affect their sound

Hans Riekehof-Böhmer, Schoeps, Germany

***12:30 Lunch***

**13:45 Diversity, Mark Bailey**

**Session 2 – Signal processing and audio coding**

14:00 Optimal source distribution for multiple listener virtual sound imaging

Philip A Nelson, T Takeuchi, P E Couturier, ISVR, University of Southampton

14:30 A comparison of the performance of HRTF models in inverse filter design for Crosstalk Cancellation

Jacob Hollebon, Eric Hamdan, Filippo Maria Fazi, ISVR, University of Southampton

15:00 An introduction to sparse, or compressive, sampling for audio and acoustics

Jamie Angus-Whiteoak, University of Salford

15:30 Extended-band audio coding exploiting spectral-domain sampling-rate conversion with embedded ultrasonic data

Malcolm O J Hawksford, University of Essex

16:00 Refreshments

**Session 3 – Assisted listening**

16:30 Are we making best use of assistive hearing systems in theatres?

Ian Rees, Adrian James Acoustics

17:00 Quality evaluation of microphones used for lecture capture in universities

Rodrigo Sanchez-Pizani, Stephen Dance, Luis Gomez-Agustina, Peter Mapp, London South Bank University

17:30 Accessible broadcast audio customization

Lauren Ward, University of Salford

18:00 Close

18:45 Conference Reception and Dinner on board **SS Great Britain**

20:45 40 years of sound management at concerts and festivals

Jim Griffiths, D Butterfield, Vangardia

**THURSDAY 21 NOVEMBER 2019**

08:00 Registration and refreshments

**Session 4 – Events and installations**

09:00 **Keynote paper** – The Royal Albert Hall, sound of the future

Stephen Stringer, Darren McGaghran, Sandy Brown Associates; Daryl Prasad, Buro Happold

10:00 Effects of low frequency sound on the human condition: the case of Turbine Hall installation by Tania Bruguera

Richard Grove, Sero Di-Rosario, Joe Mccall, BDP

10:30 A case study on sound level monitoring and management at large-scale music festivals

Adam Hill, University of Derby; Johannes Mulder, Murdoch University, Australia; Jon Burton, freelance engineer; Marcel Kok, dBcontrol, Netherlands; Alex Kociper, A Berrios, Gand Concert Sound, USA

11:00 Acoustic design for sport stadia and arenas

Oliver Creedy, Vangardia

11:30 Refreshments

**Session 5 – STI and intelligibility**

12:00 What we do if we didn’t have STI ?

Peter Mapp, Peter Mapp Associates

12:30 Another look at the relationship between frequency response and the speech transmission index, with respect to word scores and road tunnels

Glenn Leembruggen, Acoustic Directions, Australia

***13:00 Lunch***

**Session 6 – Modelling and auralisation**

14:15 A simple model of horn coverage angle

Keith R. Holland, University of Southampton, Philip R Newell, Consultant, Spain

14:45 Modern auralization routines as design tools

Wolfgang Ahnert, ADA Acoustic Media Consultants, Germany

15:15 The transparency of binaural auralisation using very high order circular harmonics

Mark Dring, Bruce Wiggins, University of Derby

15:45 Refreshments

***16:00 EAG AGM***

**Session 7 – Loudspeakers**

16:15 Non-minimum-phase behaviour of loudspeakers at low frequencies

Keith R. Holland, University of Southampton; Philip R Newell, Consultant, Spain

16:45 Energy efficiency in sound reinforcement

James Hipperson, Funktion One Research

17:15 Close