

Reproduced Sound 2011

Sound Systems: Engineering or Art?

16-18 November 2011, The Thistle Hotel, Brighton



WEDNESDAY 16 NOVEMBER 2011

	Library Terrace and Byron Room
7-9pm	An introduction to statistics for audio engineers and acousticians <i>Lara Harris, University of Southampton</i>
	A retrospective on sound design <i>Sam Wise, Arup Acoustics</i>



THURSDAY 17 NOVEMBER 2011

08:30	Registration and refreshments, Renaissance Suite
09:15	Welcome <i>Paul Malpas, Chairman, IOA Electroacoustic Group</i>
	ROOM ACOUSTICS 1 Chair: Paul Malpas
09:30	The cone of an ancient New Zealand tree inspires the acoustic design for the New Zealand Supreme Court <i>Glenn Leembruggen, ICE Design Australia</i>
10:00	Alternative applications for the use of electro-acoustic technology <i>John Pellowe, Meyer Sound</i>
10:30	Implementing wave field synthesis in an ITU spec listening room part 1: keeping it at ear level <i>Robert Oldfield, University of Salford</i>
11:00	Coffee
	ROOM ACOUSTICS 2 Chair: Bob Walker
11:30	Implementing wave field synthesis in an ITU spec listening room part 2: bass without modes <i>Jonathan Hargreaves, University of Salford</i>
12:00	An investigation into the effectiveness of active room correction <i>Adam Craig, Glasgow Caledonian University</i>
12:30	The Truly Green Recording Studios – a reality or still just a dream <i>Aurelien Folie, University of Edinburgh</i>
13:00	Lunch

	AUDIO QUALITY Chair: Sam Wise
14:00	Does 1/3rd octave X curve equalisation improve the sound in a typical cinema? <i>Philip Newell, Consultant</i>
14:30	Format agnostic audio recording and reproduction for football broadcasts on the television <i>Robert Oldfield, University of Salford</i>
15:00	The sound of sport: what is "real"? <i>Peregrine Andrews, Moving Air</i>
15:30	Tea
16:00	Recorded music amplitude statistics revisited <i>Jamie Angus, University of Salford</i>
	Peter Barnett Award
16:30	Early reflection control in stereophonic control rooms and listening rooms – a personal view <i>Bob Walker, Consultant</i>
17:30	Close
18:30	Reception – Renaissance Suite Foyer
19:00	Conference Dinner
	Wonders of the Constellation
21:00	John Pellowe of Meyer Sound will demonstrate the use and effect of an electro-acoustic enhancement system, used to change the acoustic environment of the conference space from the base case suitable for lectures and papers up to spaces suitable for solo and ensemble music of various styles. There will be audience participation in all senses, including a chance to operate the acoustic parameters of the system. At the end of the session, and into the evening, anyone will be welcome to bring along musical instruments to play in the acoustic of their choosing. It should be amazing! <i>John Pellowe, Meyer Sound</i>

FRIDAY 18 NOVEMBER 2011

SPEECH INTELLIGIBILITY Chair: Helen Goddard

09:00 Keynote Paper
The future is bright for the speech transmission index: dealing with new challenges after four decades of development

Sander Van Wijngaarden, Embedded Acoustics

10:00 Characterising the source: an important aspect of more accurate and meaningful speech intelligibility and privacy assessments

Francis Li, University of Salford

10:30 Coffee

PREDICTION AND MEASUREMENT Chair: Keith Holland

11:00 New tools in room acoustic simulation

Wolfgang Ahnert, AFMG Ahnert Feistel Media Group

11:30 Synthesised musical stimuli to enable occupied room impulse response measurement

Massimo Serafini, University of Salford

12:00 Pure data implementation of an ESS-based impulse response acoustic measurement tool

Serafino Di Rosario, Buro Happold

12:30 Room acoustic analysis using a 2.5 dimensional approach

Patrick Macey, PACSYS Limited

13:00 Lunch

14:00 EAG AGM

APPLICATIONS AND ENGINEERED SOUND 1 Chair: Nick Screen

14:30 Sound reinforcement systems in stadiums, a comprehensive task for safety, operation and acoustics

Oliver Sahn, EV

15:00 When entertainment meets life safety

Jim Gilroy, Protec

15:30 The need for diplomacy in acoustical consulting

Larry Elliott & Daryl Prasad, Marshall Day Acoustics

16:00 Tea

APPLICATIONS AND ENGINEERED SOUND 2 Chair: Mark Bailey

16:30 What's in your toolbox?
An examination of the amplifications of the human voice and what tools are appropriate for the task

John Taylor, d&B audiotechnik

17:00 Raising the tone of the debate: audio systems for the Northern Territory and New Zealand Parliaments

David Gilfillan, ICE Design Australia

17:30 Performance audio + intelligibility + evac = ??: a loudspeaker manufacturer's take

Andrew Nagal, L-Acoustics

18:00 Close

19:00 Reception – Library Terrace

19:30 Dinner

20:30 After dinner, Andrew Nagel of L-Acoustics will continue the subject started in his paper presentation, only this time in an interactive form over a few drinks. Delegates will be free to question Andrew on the subject and to share views and information on the requirements of high performance audio systems in a life safety situation.



REGISTRATION FORM

REPRODUCED SOUND 2011 – 16-18 NOVEMBER 2011

Name:	<input type="text"/>		
Business:	<input type="text"/>		
Address:	<input type="text"/>		
	<input type="text"/>		
Postcode:	<input type="text"/>	E-mail:	<input type="text"/>
Telephone:	<input type="text"/>	Fax:	<input type="text"/>

ONLINE REGISTRATION IS AVAILABLE AT: WWW.IOA.ORG.UK

All prices inclusive of VAT

Delegate Fees: (covers the conference, CD Proceedings, refreshments, lunch and dinner on both days)

- | | |
|--|----------|
| <input type="checkbox"/> Fee for Authors (giving presentation) | £ 200.00 |
| <input type="checkbox"/> Fee for Members, IOA, ISCE, AES, ABTT, APRS, other authors & overseas delegates | £ 400.00 |
| <input type="checkbox"/> Fee for Non-members | £ 450.00 |
| <input type="checkbox"/> Fee for Students (I enclose written confirmation of my student status from my Head of Department) | £ 60.00 |
| <input type="checkbox"/> Please tick if this is the first RS conference you have attended | |

Day Rate: (please indicate which day you will attend. Covers CD proceedings, refreshments and lunch)

- | | | | |
|---|-----------------------------------|---------------------------------|----------|
| Members | <input type="checkbox"/> Thursday | <input type="checkbox"/> Friday | £ 250.00 |
| Non-members | <input type="checkbox"/> Thursday | <input type="checkbox"/> Friday | £ 300.00 |
| Students | <input type="checkbox"/> Thursday | <input type="checkbox"/> Friday | £ 60.00 |
| <input type="checkbox"/> Conference Dinner on Thursday 17 November 2011 for day delegates | | | £ 45.00 |
| <input type="checkbox"/> I would like vegetarian meals | | | |

Exhibition: (additional exhibitors should register at members rates)

- | | |
|---|------------|
| <input type="checkbox"/> Commercial Exhibition Fee | £ 1,200.00 |
| <input type="checkbox"/> Educational Exhibition Fee | £ 800.00 |

Full details available on the IOA website: www.ioa.org.uk

Accommodation:

A number of rooms have been reserved at the Thistle Hotel and can be booked direct with the hotel quoting the reference "Institute of Acoustics"
Single B&B £98.00 Tel: 01273 765522

Proceedings: I am unable to attend the conference. Please send me a copy of the Conference CD proceedings.

- | | |
|---|---|
| <input type="checkbox"/> Members £20.00 | <input type="checkbox"/> Non-Members £30.00 |
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Payment instructions:

Total: £

There are four ways to pay. Please indicate your chosen method: (CANCELLATIONS ARE PAYABLE IN FULL)

- 1. Cheques:** Payable to "Institute of Acoustics" (in £ Sterling drawn on UK bank account)
- 2. Direct to Bank:** BACS: Account No: 00375204 Sort Code: 30 94 81
Bank Transfer: SWIFT LOYDGB21024 IBAN GB27LOYD30948100375204
Bank Address: Lloyds TSB Knightsbridge Branch, PO Box 663, 79-81 Brompton Road, London SW1 1DD
A copy of the instructions to the bank should be attached with the registration form.
Please quote 'RS2011' and the name of the delegate registered.
- 3. Invoice:** Please supply purchase order number:
- 4. Credit Card/Debit Card:** I enclose credit card details for the full amount: VISA, DELTA, MASTERCARD, MAESTRO, ELECTRON
Card Number:
Card Expiry Date: / Security Code: last 3 digits on back of card
Maestro only: Issue No. or Valid from: /

Card holders name: (if different from above)

Card holders address:

Postcode: