

ACOUSTICS 2011

A new decade – A new reality
Rethinking acoustic practices for the austerity decade

14 -15 September 2011 - Crowne Plaza Glasgow, Congress Road, Glasgow G3 8QT

Want to make your voice heard on vital acoustic issues? We are looking for contributions from all sectors of the Institute; academic, industrial and commercial. Keep up to date with the key issues facing acousticians today – and add your voice to the debate.

Building Acoustics

We invite papers covering:

- Practical examples and innovative approaches to holistic design in building acoustics – can we strike the balance using cross-disciplinary solutions or must there always be unacceptable compromise?
- Integrating building acoustics into sustainable design – experiences and results of testing regimes
- Sound art - awarded the Turner Prize for the first time in 2011 sound art has become mainstream but is there a place for it in building acoustics and what role can the professional acoustician play?
- Acoustic requirements in the building contract – should there be a good practice guide on what to include or has building acoustics become too focused on the “pass/fail” mentality? Should we as acousticians be more open to the artistic side of the field and demand recognition for our independent professional opinions?
- New and updated testing, modelling and auralisation techniques for building acoustic applications
- Innovative acoustic materials and construction methods
- Acoustics in healthcare, schools, offices & public buildings – where do we go now?
- New industry sectors – who needs building acoustics next?

Environmental Noise

We invite papers covering:

- Is there a tangible move away from prescriptive guidance?
- What has been the impact of the introduction of the environmental impact assessment regulations on how we assess noise in the environment?
- If there is no right or wrong answer how does matrix evaluation address the problem? Or does it not address the issue of evaluation?
- Is it right or wrong to slavishly adhere to a pass mark type approach?

Noise & Vibration Engineering

Engineering Noise Control - Going all the Way

This session will focus on the “real” meaning, implications, costs and challenges of the principles of ALARP, BPM, BATNEEC, state-of-the-art etc as enshrined in various environmental, occupational and machinery regulations and guidance. Papers are invited on the following topics:

- How to promote behavioural change and motivate people to go “all the way” to ALARP
- HSE action to encourage the supply of lower-noise machinery
- Results of market surveillance on equipment noise levels and risk information
- Quiet design case studies and cost models
- Competence – how do we know whether something is ALARP or not?

Vehicle Noise Vibration and Harshness (NVH)

This session with focus on recent developments that help achieve robust NVH performance. Papers are invited in any area of vehicle NVH including:

- Active noise and vibration control
- Powertrain noise
- Road/tyre noise
- Vehicle interior sound quality
- Vehicle exterior noise prediction

Measurement & Instrumentation

We will be organising two sessions during the conference broadly based on measurement and instrumentation. Papers or workshop presentations are invited on the following topics:-

- Novel and/or innovative techniques for sound or vibration measurement
- Manpower and cost reductions in measurement effort, especially automation possibilities
- Economic instrumentation approaches and designs for traditional measurement tasks