

Organised by the Underwater Acoustics Group of the Institute of Acoustics

Seabed and Sediment Acoustics: Measurements and Modelling

University of Bath, UK 7-9 September 2015



In 2005, the University of Bath hosted the successful international conference "Boundary Influences in High Frequency, Shallow Water Acoustics". This was the 3rd conference in a series of UK seabed acoustics international conferences, the previous meetings being held in 1983 and 1993. The many advances in the field over the last decade make it appropriate to hold another conference to discuss the latest research and applications.

Particular topics of interest for this conference include:

- Acoustic seabed and sediment classification measurements
- Acoustic seabed and sediment mapping systems and software
- High frequency acoustic imaging of the seabed
- Acoustic bathymetry mapping
- Habitat mapping
- Sediment mapping
- Sediment surface acoustic scattering
- Effect of the seabed on acoustic propagation
- Geoacoustic inversion
- Seismic exploration
- Seabed propagation of interface waves & evanescent waves
- Acoustic imaging of the sub-seabed
- Sediment volume scattering (including inhomogeneities)
- Acoustic measurement of sediment transport
- Noise generated by mobile sediments
- Impact of suspended sediments on propagation

Prospective authors for both papers and posters are invited to submit a title and a maximum 300-word abstract to linda.canty@ioa.org.uk by **9 March 2015**. Authors will be notified by 13 April 2015 and invited to submit a full paper by 27 July 2015. Completed papers may be up to 8 pages long, including diagrams. Abstracts and papers will be reviewed.

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