In 2012, the IOA organised the successful European Conference on Underwater Acoustics (ECUA) in Edinburgh. The many advances in the field of underwater acoustics since then make it appropriate to hold another international conference to discuss the latest research and applications.

In the 400th year since the Pilgrim Fathers sailed to the New World on the Mayflower it is fitting that the IOA holds its International Conference on Underwater Acoustics in the city from which they departed. It is also appropriate that the IOA celebrates 50 years of the AB Wood medal, an award bestowed alternately to UK/European and US/Canadian researchers in the field of Underwater Acoustics.

The conference hotel is centrally located very close to the main historic area with many restaurants and hotels. The nearby ferry port offers regular sailings to the Isle of Wight. We look forward to welcoming our friends and colleagues from all over the world to present your latest research.

Topics for this conference include:

- Scattering from biota and particles in the water column
- Sea surface acoustic scattering
- Seabed and sediment classification
- Seabed propagation of interface waves & evanescent waves
- Sediment imaging and mapping
- Sediment surface and volume acoustic scattering
- Signal processing
- Sonar & transducer test and calibration
- Sonar Performance measurement and modelling
- Standards in underwater acoustics
- Synthetic aperture sonar
- Target scattering
- Tomography
- Transducer and array technology
- Underwater communications
- Underwater Propagation - 2D and 3D
- Underwater acoustic detection and classification on unexploded ordnance
- Very low frequency acoustics
Prospective authors for both papers and posters are invited to submit a title and a maximum 300 word abstract to www.icua2020.org by 31 January 2020. Authors will be notified by 6 March 2020 and invited to submit a full paper by 24 April 2020. Completed papers may be up to 8 pages long, including diagrams. Abstracts and papers will be reviewed.

Organising Committee:

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Dstl, UK

Philippe Blondel  
University of Bath, UK

Steve Robinson  
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Peter Dobbins  
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