

ANNOUNCING the  
**2011 IEEE UNDERWATER ACOUSTIC SIGNAL PROCESSING  
WORKSHOP**  
<http://www.uasp.org>

October 12–14, 2011  
Alton Jones Campus, University of Rhode Island  
West Greenwich, RI, USA

Sponsored by the IEEE Providence Section  
with promotional partners the Acoustical Society of America, the IEEE Oceanic Engineering Society,  
the Office of Naval Research, and Raytheon.

### Chairman

John R. Buck  
University of Massachusetts  
Dartmouth  
[chair@uasp.org](mailto:chair@uasp.org)

### Technical Program

Douglas A. Abraham  
CausaSci LLC

Geoffrey S. Edelson  
BAE SYSTEMS

Donald W. Tufts  
University of Rhode Island

Kathleen E. Wage  
George Mason University

### Special Session Chairs

Warren Fox  
NATO Undersea Research Ctr  
[foxw@nurc.nato.int](mailto:foxw@nurc.nato.int)

Jason Stack  
Office of Naval Research  
[jason.stack@navy.mil](mailto:jason.stack@navy.mil)

### Local Arrangements

Richard J. Vaccaro  
University of Rhode Island  
[vaccaro@ele.uri.edu](mailto:vaccaro@ele.uri.edu)

### Publications

David Hague  
University of Massachusetts  
Dartmouth  
[pubs@uasp.org](mailto:pubs@uasp.org)

The objective of this workshop is to provide an informal atmosphere for discussions of original research on signal processing techniques with underwater acoustic applications. The intent is to review theoretical and experimental research at an early stage of development. Particular areas of interest are:

- Adaptive processing in non-stationary interference
- Detection, localization or tracking, and classification
- Underwater acoustic communications
- Marine mammal related acoustic signal processing
- Multistatic sonar signal processing
- Performance analysis for active and passive sonar
- Physics-based signal processing algorithm design and analysis
- Synthetic aperture sonar

Research on other topics in Underwater Acoustic Signal Processing will also be considered. **There will be a special session on automated signal & information processing for autonomous underwater sensing systems.**

Facilities limit attendance to 50 persons. Preference will be given to those presenting research results. Abstract submission and registration directions may be found at <http://www.uasp.org>

### Important dates:

**July 11, 2011** - Deadline for abstract submission

**July 29, 2011** - Deadline for those wishing to attend but not present

**Aug. 22, 2011** - Notification of accepted abstracts and attendees

**Sept. 9, 2011** - Room block at Whispering Pines released

**Oct. 12–14, 2011** - Workshop