

ANNOUNCING the  
**2009 IEEE UNDERWATER ACOUSTIC SIGNAL PROCESSING  
WORKSHOP**  
<http://www.uasp.org>

October 14–16, 2009  
Alton Jones Campus, University of Rhode Island  
West Greenwich, RI, USA

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

### Chairman

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

### Technical Program

Douglas A. Abraham  
CausaSci LLC  
[abraham@ieee.org](mailto:abraham@ieee.org)

Geoffrey S. Edelson  
BAE SYSTEMS  
[geoffrey.s.edelson@baesystems.com](mailto:geoffrey.s.edelson@baesystems.com)

Donald W. Tufts  
University of Rhode Island  
[tufts@ele.uri.edu](mailto:tufts@ele.uri.edu)

### Special Session Chair

Phil Schniter  
The Ohio State University  
[schniter@ece.osu.edu](mailto:schniter@ece.osu.edu)

### Local Arrangements

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

### Publications

Igal Bilik  
University of Massachusetts  
Dartmouth  
[ibilik@umassd.edu](mailto:ibilik@umassd.edu)

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
- Signal processing for AUVs or deployed autonomous systems
- Synthetic aperture sonar

Research on other topics in Underwater Acoustic Signal Processing will also be considered. **There will be a special session on Results from Underwater Acoustics Communications Field Experiments.**

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 13, 2009** - Deadline for abstract submission

**July 31, 2009** - Deadline for those wishing to attend but not present

**Aug. 24, 2009** - Notification of accepted abstracts and attendees

**Sept. 11, 2009** - Room block at Whispering Pines released

**Oct. 14–16, 2009** - Workshop