

ANNOUNCING the
**2019 IEEE UNDERWATER ACOUSTIC SIGNAL PROCESSING
WORKSHOP**

<http://www.uasp.org>

October 16–18, 2019
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 and
the Office of Naval Research.

General Chair

Ashwin Sarma
BAE Systems/URI
chair@uasp.org

Treasurer

Kathleen E. Wage
George Mason University

Technical Program

Douglas A. Abraham
CausaSci LLC

John R. Buck
UMass Dartmouth

Geoffrey S. Edelson
BAE Systems

David A. Hague
Naval Undersea Warfare Center

Special Session Chairs

Zoi-Heleni Michalopoulou
(NJIT), michalop@njit.edu
Paul Gendron (UMassD),
pgendron@umassd.edu

Local Arrangements

Richard J. Vaccaro
University of Rhode Island
vaccaro@ele.uri.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 “**Ocean Acoustic Source Localization: Signal Processing Algorithms and Applications**”.

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

Important dates:

July 26, 2019 - Deadline for abstract submission

Aug. 8, 2019 - Deadline for those wishing to attend but not present

Aug. 12, 2019 - Notification of accepted abstracts and attendees

Sept. 16, 2019 - Room block at Whispering Pines released

Oct. 16–18, 2019 - Workshop