

# ANNOUNCING the 2001

## UNDERWATER ACOUSTIC SIGNAL PROCESSING WORKSHOP

Sponsored by the IEEE Providence Section  
in cooperation with the IEEE Signal Processing Society  
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Alton Jones Campus, University of Rhode Island  
West Greenwich, RI, USA

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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:

- Acoustic imaging
- Detection, localization, and classification
- Marine mammal related acoustic signal processing
- Multipath interference rejection
- Multistatic sonar
- Performance limits for passive sonar
- Physics-based (matched-field) signal processing
- Signal processing for AUVs or deployed systems
- Synthetic aperture sonar
- Underwater communications

Research on other topics of interest in Underwater Acoustic Signal Processing will also be considered. **There will be a special session on modeling non-stationary environments and its application to adaptive processing.**

Attendance at the workshop will be by application and invitation. Persons interested in presenting research results at the workshop should submit a one-page summary to the Workshop Chairman by 13 July 2001. E-mail summaries are acceptable. Persons interested in attending the workshop but not presenting research results should inform the Chairman by 10 August. Preference for attendance will be given to those presenting research results; others will be selected on a first come/first served basis. Selected attendees will be notified by 24 August, and will receive a program and registration information. Lodging and meals will be available at the Alton Jones Campus at minimal cost; facilities limit attendance to 50 persons. No written workshop proceedings will be published; however, a booklet of abstracts will be distributed at the workshop.