

ANNOUNCING the 2003

UNDERWATER ACOUSTIC SIGNAL PROCESSING WORKSHOP

Sponsored by the IEEE Providence Section
in cooperation with the IEEE Signal Processing Society
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October 8–10, 2003
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:

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

Research on other topics of interest in Underwater Acoustic Signal Processing will also be considered. **There will be a special session on Quantifying and Accounting for Uncertainty in Underwater Acoustic Signal 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 Friday July 12, 2003. E-mail summaries are encouraged. Persons interested in attending the workshop but not presenting research results should inform the Chairman by August 9th. 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 August 16th, 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.