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2019 IEEE Underwater Acoustic Signal Processing Workshop

The IEEE Underwater Acoustic Signal Processing (UASP) Workshop has been a bi-annual event, held every October in odd-numbered years, for the past three decades. The objective of these workshops is to provide an informal atmosphere for discussions of original research on signal processing techniques that use underwater acoustic channel models. The intent is to review theoretical and experimental research at an early stage of development. Particular areas of interest for the 2019 workshop were:

- Detection, localization, and classification
- Performance limits for passive sonar
- Physics-based (matched-field) signal processing
- Underwater communications
- Acoustic imaging
- Multipath interference rejection
- Biologically inspired underwater acoustic signal processing
- Array calibration
- Multistatic sonar

The workshop included a special session on Ocean Acoustic Source Localization. The 2019 workshop was held October 16 – 18 with 61 participants, including 10 graduate students. A Book of Abstracts was produced, which is available on the workshop website:
<http://uasp.org/abstractbooks/uasp2019abstracts.pdf>

The 2019 workshop was held at the Whispering Pines Conference Center in West Greenwich, Rhode Island, as have all previous workshops. Planning for the 2021 workshop was impacted when, in the Spring of 2020, the Whispering Pines Conference Center went out of business. After searching out and evaluating several alternatives, a new venue was found: the Canonicus Camp & Conference Center in Exeter, Rhode Island.

In accordance with the no-cost extension for this grant, issued in March 2020, the grant funds were used to secure the Booking Contract with Camp Canonicus for the 2021 UASP Workshop, which will be held October 13-15, 2021.