

This report covers the activities of the Technical Committee on Underwater Acoustics (TCUW) and its members during the period from July 2017 through June 2018.

The 174th Meeting of the Acoustical Society of America was held at the New Orleans Marriott Hotel, New Orleans, Louisiana, 4 - 8 December 2017. TCUW sponsored the following seven sessions: "Underwater Acoustic Scattering and Reverberation" co-chaired by Brian T. Hefner and Edward Richards with 13 contributed talks, "Underwater Acoustic Propagation: Models, Methods, and Statistics" co-chaired by Chad M. Smith and Anthony L. Bonomo with 14 contributed talks, "Sediment Characterization Using Direct and Inverse Techniques" co-chaired by David P. Knobles and Preston S. Wilson with 20 invited talks and 17 contributed talks, "Session in Honor of Chester McKinney" co-chaired by Thomas G. Muir and Clark Penrod with eight invited talks, "Underwater Soundscapes and Noise: Measurement and Abatement" co-chaired by Kathleen E. Wage and Aleksander Klauson with 11 contributed talks, "Arctic Acoustics" co-chaired by Matthew Dzieciuch and Jason D. Sagers with seven contributed talks, and "Underwater Measurements and Applications" co-chaired by Jason D. Sagers and Micheal J. Smith with nine contributed talks. The student paper award winners were Brandon Patterson and Anthony Bonomo who received first and second place, respectively.

The 175th Meeting of the Acoustical Society of America was held at the Hyatt Regency Minneapolis in Minneapolis, Minnesota, 7 - 11 May 2018. . TCUW sponsored the following six sessions: "Instrumentation for Underwater Acoustics" chaired by Aaron Darnton with four contributed talks, "Target Scattering in Underwater Acoustics: Imaging, Spectral Domain, and Other Representations" co-chaired by Daniel Plotnick and Timothy Marston with eight invited talks and 10 contributed talks, "High Performance Computing Applications to Underwater Acoustics" co-chaired by Ying-Tsong Lin and Megan S. Ballard with four invited talks and five contributed talks, "Underwater Acoustic Communications, Positioning and Signal Processing" co-chaired by Wan Lin with 13 contributed talks, "Underwater Soundscape: Measurement and Characterization" chaired by Timothy Duda with four contributed talks, and "Underwater Acoustic Propagation: Models and Experimental Data" chaired by Timothy Duda with nine contributed talks. The student paper award winners were Blake Simon and Thomas Blanford who received first and second place, respectively.

The chair thanks the many volunteers who make the activities of TCUW possible.