

These are the minutes from the Underwater Acoustics (UW) Technical Committee (TC) meeting at the 177th Acoustical Society of America (ASA) meeting in Louisville, KY during 13-17 May 2019.

The TC meeting was held on Thursday, 16 May 2019 from 7:30 pm to 9:00 pm and was chaired by Jim Miller. There were approximately 50 attendees. The agenda consisted of reports on and discussions of (a) subcommittees, (b) meetings, (c) JASA News and (d) miscellaneous items. Roger Logan, Mohsen Badiey, Tony Lyons and Alex Padilla continue as TCUW's representatives to the standards, membership, awards and student committees, respectively. Best Student papers at the Victoria meeting were announced: First place went to Gabriel R. Venagas ("Geoacoustic properties of seagrass-bearing sediments") and second place went to Alexander Scott Douglass ("Out-of-band beamforming in shallow water with horizontal arrays"). New fellows were recognized and congratulated: Megan Ballard (For contributions to shallow water propagation and geoacoustic inversion) and Woojae Seong (For contribution to geoacoustic inversion and ocean signal processing). DJ Tang was thanked for his work as TPOM Rep. Special sessions this week included (lead TC): (1) Understanding animal song (AB, AO, SP, SC); (2) Finite Difference Time Domain method across acoustics (PA, BA, SA, SP, UW); (3) Acoustofluidics (PA, BA, SA, SP, UW); (4) Reconfigurable arrays for adaptive wave guiding (SP, EA, PA, SA, UW); (5) Bayesian inference in acoustic signal processing (SP, AO, NS, UW); (6) Borehole Logging Acoustics (SP, AO, PA, AS, UW); and (7) Random Matrix Theory in Acoustic Signal Processing (SP, NS, UW). Future ASA and other acoustics meetings were reviewed. Special sessions for the upcoming San Diego meeting were reviewed: (1) CNTBT IMS: A global sensor network with scientific and civil applications in hydroacoustics (UW, AO, SP; Nielsen/Bradley/Zampolli/Haralabus); (2) Ship source level estimation: Methods and measurements (UW, AB; Tollefsen/Knobles/Hannay); (3) Marine Seismioacoustics (AO, UW); (4) Special Session in Honor of Michael Buckingham (AO, UW); (5) Parabolic Equation Methods Across Acoustics (CA, PA, AO, SP, SA, UW); (6) Introduction to TCs (ID, UW); (7) Transportation Noise from its Consequences to the Solution Set (NS, AB, UW); (8) Aqueous Acoustic Metamaterials (PA, EA, SA, UW); (9) Memorial Session in Honor of Ed Sullivan (SP, UW); and (10) Signal Processing for Biological Transients (SP, AB, UA, AO, SC, UW). Jim Lynch gave an update on Journal news, followed by discussion of several miscellaneous items. The meeting was adjourned at 9:00 pm.