

## Report of the Underwater Acoustics Technical Committee

2008-2009

The Fall 2008 meeting at Miami Doral Resort was a very good meeting for the UWTC. Our very own Harry DeFerrari of the University of Miami was the General Chair, with Altan Turgut of NRL-DC serving as the UWTC TPOM representative. Steve Finette of NRL-DC gave a well attended UW Hot Topics talk on “Uncertainty in Ocean Acoustics.” Two UW special sessions were organized, one by Kyle Becker of ARL-PSU on “Acoustics of harbors, ports and shallow navigable waterways,” and a second by Claire Debever of SIO on “Robust array processing.” Both special sessions were very well organized and attended. In terms of society recognition for our members, the meeting was a good one, with the announcements of society fellowship for John Fawcett of DRDC and the award of the IOA A.B. Wood medal to Karim Sabra of Georgia Tech. Our student paper award winners from the meeting were Aubrey Espana from Washington State with her talk “Excitation of low-frequency modes of solid cylinders by evanescent and ordinary propagating waves” and Lin Wan from Georgia Tech with the talk “Three-dimensional spatial coherence measurements: Vertical, longitudinal/transverse horizontal coherence”

The Spring 2009 meeting in Portland, OR, was also very good meeting for the TC. Many thanks to DJ Tang of APL-UW who served as our representative to the paper sorting meeting. We had a large number of successful special sessions, as well as a very well organized and attended named session for Ralph Goodman, organized by Jerry Caruthers and Ken Gilbert of Mississippi State University and Steve Stanic of NRL Stennis. Our special sessions were “Waveguide invariant principles for active and passive sonars” organized by Altan Turgut and Lisa Zurk of Portland State, “Mid to high-frequency propagation and scattering with application to underwater communications” organized by Moshen Badiy of the University of Delaware and Dan Rouseff of APL-UW, “Physics-based undersea clutter model verification and validation” organized by Juan Arvelo of APL-JHU, and Tim Stanton and Ken Foote of WHOI, and “Monostatic and bistatic detection of elastic objects near boundaries: methodologies and tradeoffs” organized by Mario Zampolli of NURC and TNO and Karim Sabra. Three new fellows in our TC were named, Martin Siderius of Portland State, Aaron Thode of SIO, and Lisa Zurk. In addition Martin was named the winner of the Medwin Award in our sister TC, Acoustical Oceanography.

The Underwater Acoustics Technical Committee has the pleasure to announce Lisa Zurk’s election as chair of the UWTC for the 2009-2012 term. We are confident that the TC is in excellent hands. We would also like to thank Lisa for her efforts as General Chair of the Portland meeting, which was an outstanding success with approximately 1200 papers submitted.

The UWTC would like to highlight the service of the following technical committee members serving on ASA committees and councils: Eric Thorsos of APL-UW who is serving a second term on the Medals and Awards committee, Henrik Schmidt of MIT

who is likewise serving for a second term on the Membership committee, Peter Dahl of APL-UW who is serving on the Executive Council, Bob Drake of NUWC who is the UWTC representative on the ASACOS, and Megan Ballard of ARL-PSU who is our Student Council representative. We also congratulate former AOTC chair Jim Miller of URI on his election to the Executive Council. Finally we would like to congratulate George Frisk of FAU for his election to the post of President-Elect for the 2009-2010 term.