



# 4<sup>th</sup> Annual Underwater Acoustics Symposium

## Wednesday, June 17<sup>th</sup>, 2015

Rosenblatt Auditorium, Software Engineering Building  
Faculty of Engineering, Tel Aviv University

09:00–10:00	<b>Registration &amp; coffee</b>
10:00–10:10	Prof. Ehud Heyman • UWA Research Center, Faculty of Engineering, Tel Aviv University
10:10–11:10	Prof. Nicholas Makris • Massachusetts Institute of Technology <b>Keynote:</b> Revealing the ocean's ecological processes with instantaneous continental-shelf scale sensing
11:10–11:30	<b>Coffee Break</b>
11:30–11:55	Prof. Ehud Heyman • Tel Aviv University Beam domain decomposition in random medium propagation
11:55–12:20	Prof. Amir Boag, Dr. Yaniv Brick, Dr. Evgeny Chernokozhin • Tel Aviv University Fast and stable algorithm for scattering from large objects
12:20–12:45	Dr. Boris Katznelson • University of Haifa Application of time reversal mirrors to acoustic noise interferometry in shallow waters
12:45–13:45	<b>Lunch on site (Dairy)</b>
13:45–14:10	Prof. Anthony Weiss • Tel Aviv University Advances in target localization and navigation
14:10–14:35	Prof. Joseph Tabrikian • Ben-Gurion University Cognitive target localization and tracking
14:35–15:00	Prof. Israel Cohen, Gal Mishne • Technion Multiscale anomaly detection using diffusion maps
15:00–15:20	<b>Coffee Break &amp; Refreshments</b>
15:20–15:45	Mr. Koby Buchris • RAFAEL Frequency and code modulations for underwater acoustic spread spectrum communication
15:45–16:10	Prof. Evgeny Landa • Tel Aviv University Diffraction imaging - a tool for detection of small scale underwater inhomogeneities
16:10–16:35	Prof. Dan Givoli • Technion The double absorbing boundary (DAB) method
16:35–17:00	Prof. Moshe Reshef • Tel Aviv University Echolocation by the blind mole rat
17:00–	<b>Wine and Cheese Reception</b>

Participation is free of charge, but advance registration at [TAU.acoustics@gmail.com](mailto:TAU.acoustics@gmail.com) is required