



# The 8<sup>th</sup> Tel Aviv University Underwater Acoustics Symposium

## Thursday, June 13<sup>th</sup>, 2019

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

09:00-10:00	<b>Registration &amp; coffee</b>
	Welcome and Opening Remarks
10:00-10:10	Prof. Ehud Heyman, Prof. Amir Boag • TAU Underwater Acoustics Center CDR Gil Nitzan • Israeli Navy
10:10-11:10	Prof. George Papanicolaou • Stanford University <b>Keynote:</b> Recent Developments in Synthetic Aperture Imaging
11:10-11:40	<b>Coffee Break</b>
11:40-12:10	Dr. Ram Tuvi, Prof. Ehud Heyman, Prof. Timor Melamed • University of Texas at Austin, Tel Aviv University, Ben-Gurion University Beam-Based Time-Dependent Tomographic Inverse Scattering in a Noisy Background
12:10-12:40	Dr. Evgeny Chernokozhin and Prof. Amir Boag • Tel Aviv University Fast Iterative Solver for Problems of Acoustic Scattering by Elastic Shells
12:40-13:10	Mr. Anatoli Tsinovoy • Rafael Ltd. Acoustic Scattering from Thin-Walled Cylinders – Comparison of Theory and Experiment
13:10-14:10	<b>Lunch on site (Dairy)</b>
14:10-15:10	Prof. Yoram Bresler • University of Illinois at Urbana-Champaign <b>Keynote:</b> Sparse Signal Recovery in Bilinear Inverse Problems: Fundamental Limits and Algorithms
15:10-15:40	Prof. Joseph Tabrikian • Ben-Gurion University Frequency Diverse Arrays for Underwater Acoustic Target Localization
15:40-16:10	Prof. Boris Katznelson and Prof. Oleg Godin • Haifa University, Naval Postgraduate School Ambient Noise in the Shallow Water 2006 Experiment – Data Processing, Analysis and Simulation for Geoacoustic Inversion
16:10-16:40	<b>Coffee Break &amp; Refreshments</b>
16:40-17:10	Prof. Izhak Bucher and Mr. Yoav Vered • Technion Dispersion Identification Using Two Actuators and Phase Perturbations for a Low Frequency Impedance Tube
17:10-17:40	Dr. Roei Diamant • Haifa University Cooperative Authentication in Underwater Acoustic Sensor Networks
17:40-18:10	Dr. Yizhaq Makovsky • Haifa University A Practical Approach to Acoustic Target Characterization and Identification
18:10 -	<b>Wine and Cheese Reception</b>

Participation is free of charge. Advance registration: <http://web.eng.tau.ac.il/UWA>