



Underwater Acoustics Symposium

Monday, June 17th, 2013

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

09:20-09:50	Registration & coffee
09:50-10:00	Welcome and Opening Remarks Prof. Ehud Heyman • Dean, Faculty of Engineering, Tel Aviv University
10:00-11:00	Prof. George Papanicolaou • Stanford University <i>Keynote:</i> Optimization methods in imaging
11:00-11:20	Prof. Ehud Heyman • Tel Aviv University Beam summation methods in random medium propagation
11:20-11:40	Coffee Break
11:40-12:40	Prof. Andrew Singer • University of Illinois at Urbana-Champaign <i>Keynote:</i> Multichannel sample-by-sample turbo resampling equalization and decoding
12:40-13:00	Prof. Joseph Tabrikian • Ben Gurion University Adaptive waveform design for target localization and tracking for cognitive MIMO sonar
13:00-14:00	Lunch on site (Dairy)
14:00-14:20	Prof. Amir Boag, Yaniv Brick • Tel Aviv University Generalized equivalence integral formulation for fast acoustic scattering problem solution
14:20-14:40	Uri Bar-Ziv • RAFAEL Acoustic backscatter under a ship's wake-theory and experiment
14:40-15:00	Prof. Alfred Inselberg • Tel Aviv University Visualization and data mining for high dimensional data: Application to underwater acoustics
15:00-15:20	Prof. Dan Givoli • Technion Time reversal for scatterer identification
15:20-15:40	Coffee Break & Refreshments
15:40-16:00	Dr. Alon Amar • RAFAEL Analysis of harmonic signals
16:00-16:20	Dr. Roei Diamant • University of British Columbia Where am I? Underwater navigation with spatial dependency and propagation speed uncertainties
16:20-16:40	Dr. Yizhaq Makovsky • University of Haifa Environmental uses of acoustic methods and the jellyfish
16:40 -	Wine and Cheese Reception

Participation is free of charge, but advance registration at iritn@eng.tau.ac.il is required