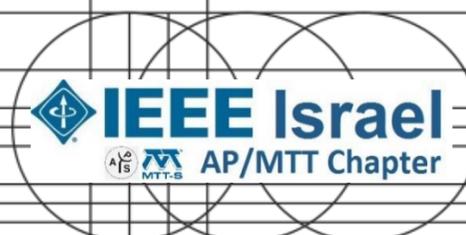


Thursday,
August 4th,
2022



The Iby and Aladar Fleischman
Faculty of Engineering
Tel Aviv University

The 10th Tel Aviv University Underwater Acoustics Symposium



- 09:30-10:00** Registration & Coffee
- 10:00-10:10** **Welcome and Opening Remarks**
Prof. Noam Eliaz - Dean of the Faculty of Engineering, Prof. Amir Boag - TAU Underwater Acoustics Center
- 10:10-10:40** **David Nunn – Dstl**
TES measurements and modelling in the UK – a general overview
- 10:40-11:00** **Dr. Zuhayr Rymansaib – Bath University**
Wideband target echo strength measurements at Wraysbury Reservoir, UK
- 11:00-11:20** **Pranav Chopde , Prof. Ehud Heyman, and Prof. Amir Boag – Tel Aviv University**
The UWB Beam Summation Scheme for TES Calculations in the High Frequency Regime:
The Numerical Complexity
- 11:20-11:50** Coffee Break
- 11:50-12:10** **Meydan Kaplan and Dr. Yaniv Brick – Ben-Gurion University**
Fast Volume Integral Equation Solver for High-Fidelity Bio-Acoustic Modeling
- 12:10-12:30** **Barak Galanti, Igor Gershenzon, and Prof. Amir Boag – Tel Aviv University**
Simulation of Synthetic Aperture Imaging
- 12:30-12:50** **Or Lasri and Dr. Lea Beilkin-Sirota – Tel Aviv University**
Reconfigurable Acoustic Dead Zones
- 12:50-14:00** Lunch on site (Dairy)
- 14:00-14:20** **Dr. Avi Abu and Dr. Roe Diamant – Haifa University**
Underwater Object Classification Combining Optical and SAS Imagery
- 14:20-14:40** **Dr. Evgeny Chernokozhin, Iris Roger Eitan, Dr. Anna Gleizer, and Prof. Amir Boag – Rafael & TAU**
Thin Elastic Shells: Efficient Solvers Meet Real-World Scatterers
- 14:40-15:00** **Prof. Boris Katsnelson, Marina Yarina, Dr. Andrey Lunkov, and Prof. Oleg A. Godin – Haifa University**
Retrieval of Dispersion Dependences of Waveguide Modes from Shipping Noise Measurements
Using Vertical Arrays
- 15:00-15:20** **Prof. Joseph Tabrikian – Ben-Gurion University**
Underwater Target Localization in Misspecified Environment
- 15:20–15:40** Coffee Break & Refreshments
- 15:40-16:00** **Inbar Sibony, Iris Roger-Eitan, Prof. Zeev Zalevsky, Dr. Anna Gleizer – Bar Ilan University & Rafael**
Achieving Super-Resolution of Underwater Acoustic Systems by Using
MIMO Measurements and Signal Processing
- 16:00-16:20** **Ernst Uzhansky, Omri Gadol, Prof. Boris Katsnelson, Shelly Copel, Tom Kazaz, and Dr. Yizhaq Makovsky – Haifa University**
Geoacoustic Characterization of the Levant Seafloor as a Basis for Reverberation Modeling
- 16:20-16:40** **Michael Moshe Michelashvili and Michael Faran – Deep Voice Foundation**
Deep Voice – Journeys and Algorithms
- 16:40-17:00** **Prof. Oksana Stalnov – The Technion**
Wavelet-Based Beamforming for Detection of Propeller Noise
- 17:00 -** Wine and Cheese Reception

Participation is
free of charge, but
[advance
registration](#)
is required



Samueli Auditorium
Broadcom Building
Faculty of Engineering
Tel Aviv University

