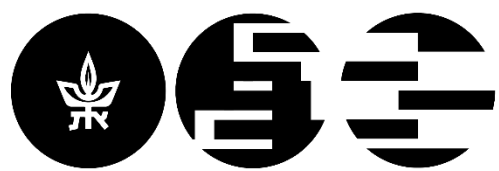


Thursday  
May 4th  
2023



The Iby and Aladar Fleischman  
Faculty of Engineering  
Tel Aviv University



# The 11th Tel Aviv University Antenna Symposium

Participation is  
free of charge, but  
Advance  
Registration  
is required

09:00-09:30

Registration & Coffee

09:30-09:40

Welcome and Opening Remarks

Amir Boag, Yarden Mazor

09:40-10:40

**Andrea Massa, A. Benoni, P. Da Rù, G. Oliveri, L. Poli, P. Rocca, M. Salucci, F. Zardi – University of Trento, Italy**

**Keynote:** The "Smart EM Environment" Paradigm as Enabler of Next Generation Wireless Systems - An Overview from the Device-Scale to the System Planning

10:40-11:00

**Lior Maman and Amir Boag – Tel Aviv University**

Phase-Only Beam Shaping for Transmitting Array Antennas in Radar Applications

11:00-11:30

Coffee Break

11:30-11:50

**Amir Shlivinski – Ben-Gurion University, Yakir Hadad – Tel Aviv University**

Temporal Discontinuities in Waveguides

11:50-12:10

**Yarden Mazor – Tel Aviv University**

Using Temporal Modulation to Enhance DoA Sensitivity

Registration in:  
<http://web.eng.tau.ac.il/boag/conf1/>

12:10-12:30

**Amit Shaham and Ariel Epstein - Technion**

All-angular Transparency via the Generalized Huygens' Condition: Tailored Nonlocality from Meta-atoms to Metasurfaces

12:30-13:30

Lunch on site

13:30--14:30

**Zhongxiang Shen - Nanyang Technological University, Singapore**

**Keynote:** Design of Compact and Wide-Band Antennas

14:30-14:50

**Lea Beilkin-Sirota – Tel Aviv University**

Tunneling-like dynamics in non-Hermitian networks

14:50-15:10

**D. Vovchuk, K. Grotov, M. Khobzei, V. Tkach, A. Mikhailovskaya, D. Kolchanov, D. Dobrykh, A. Machnev, V. Kozlov, and Pavel Ginzburg – Tel Aviv University**

Genetically Designed Superscatterers for Radar Deception and Beckoning

15:10–15:40

Coffee Break & Refreshments

15:40-16:00

**Ehud Heyman – Tel Aviv University**

On Local Pulsed Beam Solutions of the Time-Dependent Wave Equation: Scattering, Diffraction, and Propagation in Non-Homogeneous Medium

16:00-16:20

**Yaniv Brick – Ben-Gurion University**

Fast and Robust Low Rank Compression of Impedance Matrix Blocks

16:20-16:40

**Roe Geva and Raphael Kastner – Tel Aviv University**

Symmetries and Non-Reflectivity in Electromagnetics

16:40-17:00

**Vladimir Vulfin – Electromagnetics Infinity, Reuven Shavit – Ben-Gurion University**

Surface Impedance Extraction of a Cylindrical Metasurface Structure

17:00 -

Wine and Cheese Reception

Rosenblatt Auditorium  
Software Engineering Building  
Faculty of Engineering  
Tel Aviv University

