

Thursday
19 December
2024

Auditorium 001
Broadcom Building
Faculty of Engineering
Tel Aviv University



The Iby and Aladar Fleischman
Faculty of Engineering
Tel Aviv University



The 12th Tel Aviv University Antenna Symposium

Participation is
free of charge, but
[Advance
Registration](#)
is required

09:00-09:50 Registration & Coffee

09:50-10:00 **Welcome and Opening Remarks**

Amir Boag, Yakir Hadad

10:00-10:20 **Daive Tallini - Dassault Systèmes**

Non-parametric Shape Optimization of a Horn Antenna Feed Chain

10:20-10:40 **Dr. Amir Shlivinski - BGU, Prof. Yakir Hadad - TAU**

Universal Pulsed Radiation by Temporal Transition in Open Guiding Structures

10:40-11:00 **Prof. Amir Boag**

Fast Time Domain Algorithms

11:00-11:20 **Prof. Ehud Heyman – TAU, Dr. Michael Katsav - Rafael**

Beam Diffraction by an Impedance Wedge: Exact and Uniform Asymptotic Solutions, and Phenomenology

11:20-11:40 **Prof. Reuven Shavit and Michael Elman- BGU**

Metasurface Conformal Radomes with Printed Elements

11:40-12:00 **Prof. Eitan Bachmat - BGU**

Wave Propagation: a Multidisciplinary Approach

12:00-13:00 Lunch on site

13:00-13:20 **Rotem Gal-Katzir, Dr. Yarden Mazor – TAU, Prof. Emily Porter – McGill**

Characterizing the Electric Properties of Scatterers in a Homogeneous Environment Using an Open-Ended Coaxial Probe

13:20-13:40 **A. Shaham, B.-Z. Joselson, I. Varenisov, D. Dikarov, and Prof. Ariel Epstein - Technion**

Temporal Wood's Anomaly in Folded Time Gratings

13:40-14:00 **Prof. Pavel Ginzburg, et al. – TAU and Rafael**

Drone Tagging with Superscatterers

14:00-14:20 **Roee Geva, Prof. Mário Silveirinha and Prof. Raphael Kastner – TAU and Universidade de Lisboa**

Polarization Control with PTD-Symmetric Metasurfaces

14:20-14:40 **Prof. Yakir Hadad and Koffi Emanuel Sadzi - TAU**

Modelling the Particle in a Cavity Problem Using Polarizability Theory

14:40–15:10 Coffee Break & Refreshments

15:10-15:30 **Dr. Cosme Culotta-López, et al. – Orbit/FR (MVG)**

Parallax Compensation in Offset-Mounted Spherical Near-Field Vehicular Antenna Measurements With Probe Effects for FFT-Based NFFFTs

15:30-15:50 **Dr. Lea Beilkin et al. - TAU**

Unidirectional Solitons in Nonlinear Electric Circuit Metamaterials

15:50-16:10 **Vladimir Vulfin, Itamar Madar - EM Infinity and Prof. Reuven Shavit - BGU**

Space Frame Scattering Analysis of Metal Beams with Rectangular Cross Section

16:10-16:30 **Omry Oren, Matar Eliaz and Prof. Eran Socher - TAU**

Controlling Beam Steering of THz CMOS DRAs Using 2D Multiport Excitation

16:30-16:50 **Dr. Erez Gershnel - IAI**

Nanophotonics and metamaterials

16:50-17:10 **Prof. Timor Melamed – BGU**

Applying Beam Methods for the Design of Curved Pulsed Beams

17:10 - Wine and Cheese Reception

