

The 10th TAU Antenna Symposium

Thursday, March 5, 2020

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

08:00-08:20	Registration & Coffee
08:20-08:30	Opening remarks: Prof. Amir Boag, Dr. Yakir Hadad, and Shmuel Auster
08:30-08:50	Gil Elram • Keysight Technologies Advanced Direction Finding Emulation Techniques
08:50-09:10	Prof. Pavel Ginzburg and Vitali Kozlov • TAU Passive Radar Deception
09:10-09:30	Naftali Chayat • Vayyar Imaging Wide-Coverage Antennas for MIMO Radars
09:30-09:50	Anton Kogan • SIMULIA - Dassault Systèmes 5G Small Cell Array Design
09:50-10:10	Coffee break
10:10-10:20	Welcoming remarks: Prof. Mark Shtauf • Chair, School of Electrical Engineering
10:20-11:20	Prof. Eric Michielssen and Utkarsh Patel • University of Michigan Keynote: Wigner-Smith Time Delays for Electromagnetic Analysis
11:20-11:40	Ariel Gaibel and Prof. Amir Boag • TAU SAR Imaging of Moving Targets
11:40-12:00	Dr. Yaniv Brick • BGU Compressibility of Generalized Integral Equation Formulations
12:00-12:20	Dr. Amir Shlivinski and Dr. Yakir Hadad • BGU and TAU Broadening Antenna Bandwidth by Time-Modulation
12:20-13:00	Lunch break
13:00-14:00	Prof. Shanker Balasubramaniam • Michigan State University Keynote: Subdivision Surfaces and Applications to Electromagnetics and Acoustics
14:00-14:20	Prof. Raphael Kastner • TAU and UPenn Reduction of the 6x6 TD Vector Wave Equations into a 3x3 Complex Set on a Single FD Grid
14:20-14:40	Prof. Reuven Shavit • BGU Modelling and Design of 2D Flat Lens Antenna Based on Metasurfaces with Printed Elements
14:40-15:00	Liran Biniashvili, Dr. Vinay K. Killamsetty, and Dr. Ariel Epstein • Technion Manipulating Waveguide Modes with Metagratings
15:00-15:20	Vladimir Vulfin • EM Infinity Azimuth Scanning Dipole Broadband Antenna Design Using Reconfigurable FSS
15:20-15:40	Timor Melamed, Gabriel Lasry, and Yaniv Brick • BGU Manipulation and Control of 3D Time-Harmonic and Time-Dependent Caustic Beams over Arbitrary Trajectories
15:40-16:00	Coffee break
16:00-17:00	Prof. John Papapolymerou • Michigan State University Keynote: System-on-a-Package Antennas using Additive Manufacturing Techniques and Flexible Lightweight Materials
17:00-17:20	Yoav Shoshani, Amir Shelef, and Prof. Eli Jerby • TAU Localized Microwave-Heating (LMH) Effects, and Their Applications for Melting, Cutting, Drilling, Dusty-Plasma Ejection, Joining and 3D-Printing
17:20-17:40	Daniel Silverstein and Prof. Yehuda Leviatan • Technion Design of Device-Embedded Antenna Arrays for Beamforming Applications Using Reciprocity and Sparse Optimization
17:40 -	Wine and Cheese Reception

Symposium is free of charge, but advance registration at [TAU ANT CONF](#) is required