

# The 8<sup>th</sup> TAU Antenna Symposium

Wednesday, March 21, 2018

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

<b>09:00-09:50</b>	<b>Registration &amp; Coffee</b>
<b>09:50-10:00</b>	<b>Opening remarks: Prof. Yossi Rosenwaks • Dean of Engineering, Prof. Amir Boag, Dr. Yakir Hadad</b>
<b>10:00-11:00</b>	<b>Prof. Jianming Jin • University of Illinois at Urbana-Champaign</b> <b>Keynote: Multiphysics Modelling in Computational Electromagnetics: Technical Challenges and Potential Solutions</b>
<b>11:00-11:20</b>	<b>Prof. Amir Boag • TAU</b> Fast Iterative Algorithms for High Frequency Scattering
<b>11:20-11:40</b>	<b>Coffee break</b>
<b>11:40-12:00</b>	<b>Prof. Ben Steinberg • TAU</b> A Preliminary Study of Interference in Rotating Structures and Metamaterials, in Their Rest-Frame
<b>12:00-12:20</b>	<b>Leonid Goltceman and Dr. Yakir Hadad • TAU</b> Large or Small is a Matter of Perspective – Enhanced Phase Sensitivity by Electromechanics
<b>12:20-12:40</b>	<b>Dmitry Filonov, Andrey Shmidt, Prof. Amir Boag, Dr. Pavel Ginzburg • TAU</b> Metamaterial-based Super Scatterers
<b>12:40-13:00</b>	<b>Dr. Nasim M. Estakhri, Prof. Nader Engheta and Prof. Raphael Kastner • UPenn and TAU</b> Inherently Matched Self-Dual Structures
<b>13:00-14:00</b>	<b>Lunch break</b>
<b>14:00-15:00</b>	<b>Prof. Andrea Alu • University of Texas at Austin / CUNY</b> <b>Keynote: New Frontiers for Wave Manipulation Using Time-Modulated Metamaterials</b>
<b>15:00-15:20</b>	<b>Dr. Amir Shlivinski and Dr. Yakir Hadad • BGU and TAU</b> A Paradigm for Short-Pulse Impedance Matching by Time-Varying Transmission Lines
<b>15:20-15:40</b>	<b>Dr. Markus Schick • Altair</b> Efficiently Simulating and Optimising Aircraft Antenna Placement and Analyzing Communication During Virtual Test Flight Scenario
<b>15:40-16:00</b>	<b>Dr. Yaniv Brick and Prof. Ali Yilmaz • BGU and UT Austin</b> Integral Equation Solution of Subsurface Low Frequency Electromagnetic Problems
<b>16:00-16:20</b>	<b>Coffee break</b>
<b>16:20-16:40</b>	<b>Oshri Rabinovich and Dr. Ariel Epstein • Technion</b> Perfect Diffraction Engineering with Metagratings
<b>16:40-17:00</b>	<b>Rotem Gal and Prof. Reuven Shavit • BGU</b> Thinning Dual Frequency Arrays Sharing the Same Real Estate
<b>17:00-17:20</b>	<b>Vladimir Vulfin and Prof. Reuven Shavit • EM Infinity and BGU</b> Monostatic Super-Scattering Using DNG Metamaterials
<b>17:20-17:40</b>	<b>Haim Spiegel • Keysight EEs of Israel</b> Phased Array Antenna design simulation
<b>17:40 -</b>	<b>Wine and Cheese Reception</b>

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

