The Iby and Aladar Fleischman Faculty of Engineering
Tel Aviv University

IEEE Israel AP/MTT Chapter

AEAi

Thursday, March 24th, 2022

# The 10th Tel Aviv University Antenna Symposium
## Celebrating Udi Heyman

Participation is free of charge, but Advance Registration is required

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| 08:00-08:50 | Registration & Coffee |
| 08:50-09:00 | **Welcome and Opening Remarks**<br>Amir Boag, Shmuel Auster, Yakir Hadad |
| 09:00-09:50 | **George Uslenghi – University of Illinois at Chicago**<br>Keynote: Exact Scattering by Metamaterial Structures under Multiple Plane-waves Incidence |
| 09:50-10:20 | **Vitaliy Lomakin – University of California San Diego**<br>Keynote: High-performance Solvers for the Study of the Magnetization - Electromagnetic Field Dynamics in Magnetic Materials and Devices |
| 10:20-10:40 | **Ben Zion Steinberg – TAU**<br>Electrodynamics on a Carousel: Metamaterials, Gyroscopes, and Two Century-old Problems in Number Theory |
| 10:40-11:00 | Coffee Break |
| 11:00-11:50 | **Stefano Maci – University of Siena**<br>Keynote: Self-complementarity and duality in metasurfaces |
| 11:50-12:10 | **Matan Leibovitch - Courant, George Papanicolaou - Stanford, and Chrysoula Tsogka – UC Merced**<br>Data Representation for Robust Imaging in Random Media |
| 12:10-12:30 | **Amir Shlivinski – BGU, Yakir Hadad – TAU**<br>Temporal Switching in a Cavity |
| 12:30-12:50 | **Timor Melamed – BGU**<br>Manipulation of Curved Beams Using Beam-domain Representation |
| 12:50-13:50 | Lunch on site |
| 13:50-14:20 | **Ehud Heyman – TAU**<br>My Path in Space-time Localization |
| 14:20-14:40 | **Christine Letrou - Télécom SudParis and Amir Boag – TAU**<br>Keynote: Gabor Frame Decomposition of Fields : First Steps towards a Toolbox for Beam Based Simulations |
| 14:40-15:10 | **Yaniv Brick – BGU, Ali Yilmaz – The University of Texas at Austin, and Amir Boag – TAU**<br>When Wave Phenomenology Meets Integral Equation Methods |
| 15:10-15:30 | **Ram Tuvi – The University of Texas at Austin**<br>Physics-based Sparse Representation for Large-scale Inverse Scattering Problems |
| 15:30–16:00 | Coffee Break & Refreshments |
| 16:00-16:30 | **Ludger Klinkenbusch – Kiel University**<br>Keynote: Diffraction by Finite and Semi-Infinite Elliptic Cones |
| 16:30-16:50 | **Eli Jerby – TAU**<br>Localized Microwave-Heating (LMH) – Phenomena, Modeling, and Potential Applications |
| 16:50-17:10 | **Reuven Shavit – BGU**<br>Printed Element Metasurfaces with Applications in Radomes and Antennas |
| 17:10-17:30 | **Rafael Kastner – TAU**<br>Inherently Matched Phased Arrays over Wide Scan Range and Large Bandwidth |
| 17:30 - | Wine and Cheese Reception |

Mask-Wearing Indoors is Mandatory

Registration in:
https://forms.office.com/r/QAsmW9qgVu

Auditorium 001
Broadcom Building
Faculty of Engineering
Tel Aviv University

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