

09:00 **Welcome & Coffee [37/202]**

09:20 **Opening and Awards Ceremony - [37/202]**

10:00 **Keynote: Generative deep learning models in vision and audio**
Prof. Lior Wolf, Tel-Aviv University and Facebook AI Research [37/202]

11:00 **Break**

	Machine learning	Signal Processing and Applications	Optical Electronics
11:30	Dr. Tammy Riklin Raviv [37/202] 11:30 Gil Paryanti, <i>Neural network based distortion compensation in wide bandwidth coherent optical fiber communication systems</i> 12:00 Raz Birman, <i>Video compression with neural networks</i> 12:30 Felix Vilensky, <i>A multi-LDA deep feature based tracker</i> 12:45 Harel Gazit, <i>3D interactive segmentation using deep neural networks</i>	Dr. Kobi Todros [51/015] 11:30 Oded Yechiel, <i>Automatic identification and switching of multi-MRAC systems</i> 12:00 Vladislav Kravets, <i>Video compressive sensing for multi-scale sampling of a scene in motion using a single pixel camera</i> 12:30 Hadas Or-ly, <i>Functional brain networks based on canonical correlation analysis in resting state fMRI</i> 12:45 Coral Sharoni, <i>Cooperation Between Autonomous Marine Platforms</i>	Prof. Gabby Sarusi [55/117] 11:30 Aviran Halstuch, <i>Special methods for femtosecond inscription of Bragg gratings in different materials</i> 12:00 Yaron Yoffe, <i>Digital signal processing for high speed optical links</i> 12:30 Hadar Manis-Levy, <i>The role of energy band alignment in solution grown nanoscale domains-PbS(Th,O)/CdS heterojunctions for SWIR photovoltaic detection</i>

13:00 **Lunch**

14:00	14:00 Or Shwartzman, <i>The impact of an inter-rater bias on neural network training</i> 14:15 Anton Puzanov, <i>Deep reinforcement one-shot learning for artificially intelligent classification systems</i> 14:30 Omer Sholev, <i>ML for wireless communication - MIMO detection</i> 14:45 Tal Sheffer, <i>Object detection in side scan sonar images</i> 15:00 Assaf Arbelle, <i>Diving deep into Cell Segmentation in Microscopy Videos</i>	14:00 Itay Ifergan, <i>Investigation of the binaural beamforming approach</i> 14:15 Nitsan Rubinshtein, <i>Waveform optimization for FDA radar</i> 14:30 Ofir Krauz, <i>Detection of modeling misspecification</i> 14:45 Eliya Ben Avraham, <i>Hyperspectral data cube segmentation analysis in point target detection</i>	14:00 Chen Klain, <i>Development and characterization of Graphene Vs. Complex metals to be served as transparent cathode</i> 14:30 Kobi Aflalo, <i>Yellow LASER for eye surgery</i> 14:45 Yakov Greenberg, <i>Subwavelength Integrated Photonics</i> 15:00 Haim Elisha, <i>Numerical investigation into the optical excitation of thin films with arrays of subwavelength non-imaging light concentrators</i>
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	Computes and Networks	Communication	Physical and Power Electronics
15:30	Prof. Ofer Hadar 15:30 Eyal Nussbaum, <i>Privacy Vulnerabilities of Dataset Anonymization Techniques</i> 16:00 Itamar Cohen, <i>Access Strategies for Network Caching</i> 16:30 Yoram Segal, <i>Exploiting compressed video domain redundancy for cyber protection and compression efficiencies</i> 16:45 Ohad Boxerman, <i>Optimization and performance enhancement of multicore DSP/RISC architectures with shared cache resources</i> 17:00 Guy Rozenberg, <i>spanners in SDN network</i> 17:15 Ofir Erets Kdosha, <i>Computationally efficient malicious domains detector in large scale network</i> 17:30 Or Raz, <i>NADJ: Network-Aware and Adaptive Multiway Joins</i>	Dr. Kobi Cohen 15:30 Eli Shemuel, <i>Feedback capacity of finite-state channels with causal state information available at the encoder</i> 16:00 Rotem Gal Katzir, <i>Thinning antenna arrays for dual band operation</i> 16:15 Tomer Gafni, <i>Learning in Restless Multi-Armed Bandits for Cognitive Radio Networks</i> 16:30 Dor Elimelech, <i>Permutations channels with restricted movement</i> 16:45 Oren Kolaman, <i>Frame synchronization over linear channels with memory and periodicity</i> 17:00 Din Malachi, <i>Queue and channel based Aloha Algorithm in Multichannel Wireless networks</i>	Prof. Alon Kuperman 15:30 Idan Sassonker, <i>Active stabilization of inductive levitation melting system</i> 15:45 Alexander Mindel, <i>Wireless Power Transmitting Utilizing Electrical Fields</i> 16:00 Hagit Perets Habany, <i>Signal and pattern generation for muscle manipulation in medical applications</i> 16:15 Tom Urkin, <i>Signal and pattern generation for muscle manipulation in medical applications</i> 16:30 Evyatar Rimom, <i>Improving power conversion efficiency of organic solar cells by integrating grating metasurfaces</i>

17:45 **Closing**