		We1.1 Optics-1 Dr. Amir Capua, Hebrew University		We1.2 Scattering and Propagation Presider: TBD		We1.3 Circuits-1 Presider: TBD		We1.4 Signals-1 Presider: TBD		We 1.5 Cyber-1 Presider:TBD		We1.6 AI/ML-1 Presider: TBD
09:00-09:15	We1.1.1	Invited: Exploring Laser-Induced Strong-Field Ionization Phenomena: Toward Dynamic 4D Imaging and Beyond Eugene Frumker Ben-Gurion University	We1.2.1	Invited: Lightweight, flexible phased arrays Matan Gal-Katziri Ben-Gurion University	We1.3.1	Invited: 2D Materials for Integrated Circuits and Neuromorphic Computing Prof. Saptarshi Das Pennsylvania State University	We1.4.1	Target Tracking Using Range and Range-Rate Measurements with Axes Coupling Constraint Liat Peled-Eitan and Ilan Rusnak	We1.5.1	Invited: Using AI for detection of Routing Deflection Attacks Prof. Yuval Shavit Tel Aviv University	We1.6.1	Data augmentation for spoofing-robust automatic speaker verification Shani Budilovsky, Yehuda Ben-Shimol and Itshak Lapidot
09:15-09:30							We1.4.2	Conformal Prediction-Aware DOA Tracking Maya Veisman Barness, Sharon Gannot and Bracha Laufer Goldshtein	We1.5.2		We1.6.2	Reservoir Computing with Memristive Neural Networks for Image Classification Rishona Daniels, Ronny Ronen, and Shahar Kvatinsky
09:30-09:45	We1.1.3	Invited: Extreme confinement with hyperbolic cavities – a new platform for quantum light-matter interactions Hanan Sheinfux-Herzig Bar-Ilan University	We1.2.3	Pulsed Curved Beam Design Timor Melamed	We1.3.3	Sub-Nanosecond Polarization Dynamics and Switching Kinetics in HZO FeCAPs Mor Mordechai Dahan, Uwe Schroeder and Eilam Yalon	We1.4.3	Unfolded Expectation-Maximization Neural Network for Speaker Localization Rina Veler and Sharon Gannot	We1.5.3	Analysis of Power Side-Channel Vulnerabilities in Memristor-Based Neuromorphic Systems Adam Antoshin, Ilan Lipschutz, and Shahar Kvatinsk	We1.6.3	Tutorial: The return of engineering in Computer Vision Prof. Yair Weiss Hebrew University
09:45-10:00			We1.2.4	Voltage along a quasi TEM transmission line hit by a plane wave Reuven Ianconescu and Vladimir Vulfin	We1.3.4	High-Endurance Analog Synapses Enabled by 2D MoS2 Electrochemical Transistors Or Levit and Eilam Yalon	We1.4.4	Deep Unfolding with Approximated Computations Dvir Avrahami, Amit Milstein, Caroline Chaux, Tirza Routtenberg and Nir Shlezinger	We1.5.4	Measuring the Impact of Algorithmic Noise on Side-Channel Analysis Matan Elkoni, Yehuda Rudin, Yoav Weizman, Osnat Keren and Alexander Fish	We1.6.4	
10:00-10:15	We1.1.5	Practical Implementation of m-Plane GaN Terahertz Quantum Cascade Lasers with Reduced Current Density for Room Temperature Applications Shiran Levy, Nathalie Lander Gower, Silvia Piperno, Gad Bahir and Asaf Albo	We1.2.5	Deep Learning Architectures for Radio Wave Propagation Modeling: A Concise Overview Eran Greenberg	We1.3.5	Unraveling Phase Change Memory Programming Energy Limits Rivka-Galya Nir-Harwood, Keren Stern and Eilam Yalon	We1.4.5	Adapting AI DoA Estimators via Downstream Tracking Shaul Konstantino, Lei Li, Nir Shlezinger, and Davide Dardari	We1.5.5	Too Easy Fault Injection Attacks on Learning with Rounding (LWR) Francesco Berti, Sasha Petri and Itamar Levi	We1.6.5	
10:15-10:30	We1.1.6	Bias-Modulated Optoelectronic Chromatic Dispersion in Photodiodes: a New Type of Spectral-information Pixel Uttama K Saint, Ziv Glasser, Endalamaw Ewnu Kassa, Egor Liokumovitch and Shmuel Sternklar	We1.2.6	Microwave Relativistic Motors Asher Yahalom	We1.3.6	The Critical Point Model as a Tool for Optimizing Organic Thin Film Transistors' Active Layer Morphology and Performance Tal Elbaz, P.R. Chithira, and Rafi Shikler	We1.4.6	Conformal Prediction Aided Kalman Filters with Confidence Intervals Olga Weisman, Nir Shlezinger and Bracha Laufer-Goldshtein	We1.5.6	Information Extraction with Physical Attacks and Safeguarding Information Reconciliation Protocols Roei Groner and Itamar Levi	We1.6.6	
10:30-11:00	Coffee Break											
	We2 Plenary Session A											
11:00-11:45	We2.1.1	Nvidia Israel-1 AI Factory Journey Mr. Dror Goldenberg Senior Vice President of Network Software Architecture at NVIDIA										
11:45-12:15	We2.1.2	Future technologies growth engines Dr. Alon Stopel Chairman of the Innovation Authority										
12:15-12:30	We2.1.3	Space-Based Intelligence Dr. Shimrit Maman Senior Scientist & Director Earth and Planetary Image Facility (EPIF)										
13:00-14:00	Lunch Break											

	We3.1 Optics-2 Presider: Pavel Sidorenko, Technion		We3.2 Microwave Circuits Presider: TBD		We3.3 Autonomous Vehicles Presider: TBD		We3.4 Signals-2 Presider: TBD		We3.5 Gender Panel Presider: Prof. Hagit Messer-Yaron		We3.5 AI/ML-2 Presider: TBD	
14:00-14:15	We3.1.1	Invited: Optomechanics Beyond the Cavity: Forces, Nonlinearity, and Distributed Dynamics Lior Michaeli Tel-Aviv University	We3.2.1	A Deep sub-micron 2.4GHz Watt Level Digital Power Amplifier based on Quad-Stacking Topology Naor R. Shay, David Ben-Haim, Elad Solomon, Yishai Eilat, Eran Socher and Ofir Degani	We3.3.1	Mechanical Intelligence in Multistable Soft Structures Under Single-Input Actuation Eran Ben-Haim, Yamit Geron, Yizhar Or, Amir D. Gat and Sefi Givli	We3.4.1	Invited: Detection, source separation, and contextual inference of sperm whales' vocalizations Prof. Roee Diamant University of Haifa	We3.5.1	Women in Engineering Panel Organized by Prof. Hagit Messer-Yaron Panelists: • Dr. Orna Berry, Google Cloud + ScienceAbroad • Prof. Idit Keidar, Technion • Dr. Ronit Bustin, Toga Networks • Dr. Oded Margalit, Ben-Gurion University and NextSilicon **Note: Session will be in Hebrew**	We3.6.1	Learning to Refine LLRs: Neural Augmentation for MIMO-OFDM Receivers Ory Eger and Nir Shlezinger
14:15-14:30			We3.2.2	Ultra-Low Insertion Loss Stepped Impedance Resonator Topology for HTSC RF Front-End Ilan Kurtser, Yoav Koral, Eldad Holdengraber, Shmuel E. Schacham and Eliyahu Farber	We3.3.2	Investigating generalized models of the Twistcar`s dynamics Rom Levy, Anna Zigelman and Yizhar Or	We3.4.2				We3.6.2	Universal Agnostic Learning over Smooth Parametric Models Shlomi Vituri and Meir Feder
14:30-14:45	We3.1.3	SOI-Compatible Photonic Structures Exhibiting a Degenerate Band Edge Kessem Zamir-Abramovich and Jacob Scheuer	We3.2.3	A Unified Quality Factor Formula for Component Modeling Across Self-Resonance Itzhak Shapir and Tomer Paley	We3.3.3	Invited: Perception Challenges for Autonomous Robots in Unstructured Green Spaces Odi Dahan Husqvarna Tel Aviv Innovation Lab	We3.4.3	Acoustic Feedback Cancellation with DNN-based Step-Size Control Liron Pollak, Simona Lisker, Henning Schepker and Elior Hadad			We3.6.3	Adaptive Deadline and Batch Layered Synchronized Federated Learning Asaf Goren, Natalie Lang, Nir Shlezinger, Alejandro Cohen
14:45-15:00	We3.1.4	Broadband SiN Photonic 50:50 Power Splitters: Optimization and Performance Analysis of InverseDesigned MMI and Directional Couplers Aleksei Kukin and Dan M. Marom	We3.2.4	Analysis of GaN based high power N-path filter with linearity enhancement circuit Netanel Desta and Emanuel Cohen			We3.4.4	K-Divergence-Based Training of Deep Normalizing Flow Networks D. Bilik and K. Todros			We3.6.4	Enhancing sample efficiency in multi-agent rl with uncertainty quantification and selective exploration Tom Danino and Nahum Shimkin
15:00-15:15	We3.1.5	Noise Suppression in Gain-Managed Nonlinear Amplifiers Nitzan Haviv, Maksim Kozlov, Michael Krüger and Pavel Sidorenko	We3.2.5	An 8 bit RF-DAC for 5G in 28nm CMOS with 17dbm and 30% peak drain efficiency Tomer Ben Oz, Eran Socher, Emanuel Cohen	We3.3.5	Asynchronous swarm-intelligence navigation for GPS-denied IMU-only drone swarms Guy Moshe Atias and Igal Bilik	We3.4.5	Tangential velocity estimation using automotive radar M. Shifrin, J. Tabrikian and I. Bilik			We3.6.5	Invited: Detection, source separation, and contextual inference of sperm whales' vocalizations Prof. Ofir Lindbaum Bar-Ilan University
15:15-15:30	We3.1.6	All-Optical Logic Gates and Programmable Signal Control in Polymer Photonic Meshes Amir Handelman, Coral Raz and Alexandra Inberg			We3.3.6	**Sponsor Talk by Rohde & Schwarz:** Future Mobility & EMC Challenges: Bridging eVTOL and Automotive Zou Kody	We3.4.6	Time-based Amplitude Sampling Hila Naaman and Yonina C. Eldar			We3.6.6	
15:30-16:00	Coffee Break											

	We4.1 Quantum Optics Presider: Tomer Lewi, Bar Ilan University		We4.2 Antennas and Metasurfaces Presider: TBD		We4.3 Circuits-2 Presider: TBD		We4.4 BioEngineering-1 Presider: TBD		We4.5 Power Electronics-1 Presider: TBD		We4.6 AI/ML-3 PresiderL TBD	
16:00-16:15	We4.1.1	Invited: Multidimensional quantum photonics Miri Blau Bar-Ilan University	We4.2.1	Biology-Inspired Butterfly-Shaped Microstrip Patch Antenna for Dual-Band Operation V. Vulfin, I. Madar, N. Verhovski, D. Kanyas and R. Ianconescu	We4.3.1	precision high signal rate setup for cryogenic SoC measurements Noam Roknian, Yoav Weizmann and Alexander Fish	We4.4.1	Invited Talk: Fast blood analysis and 'swallow your doctor' Prof. Anja Boisen Technical University of Denmark (DTU)	We4.5.1	Universal rectifier topology Yarden Sharifi, Yishai Kellerman, Shlomo Gadelovits, Lucien El Baze and Ilan Aharon	We4.6.1	Find the Leak, Fix the Split: Cluster-Based Method to Prevent Leakage in Video-Derived Datasets Noam Glazner, Noam Tsfaty, Sharon Shalev and Avishai Weizman
16:15-16:30			We4.2.2	Learning-Based Null-Steering Beamforming for Wideband 5G Planar Phased Arrays Matan Ben-Binyamin, Leonid Kuprian, Roi Yozevitch and Eldad Holdengreber	We4.3.2	WP-MLX: An Energy-Efficient Clockless Wave-Propagated ML-Accelerator Yehuda Kra and Adam Teman			We4.5.2	Fast Power-Flow Approximation for Distribution Systems Using a Hierarchical Tree of Uniform MLP Regressors Arbel Yaniv and Yuval Beck	We4.6.2	Value Locality in Specialized Vision Transformers Daniel Stopel and Freddy Gabbay
16:30-16:45	We4.1.3	Invited: Robust Ground-State Control of High-Frequency Bulk Acoustic Phonons Hillel Hagai Diamandi Hebrew University	We4.2.3	Genetic Algorithm method for 5g null steering Tomer Shor, Eldad Holdengreber and Roi Yozevitch	We4.3.3	Ferroelectric FET-Based Time-Domain In-Memory Computing Macro with Tunable Delay Calibration in 28 nm CMOS Jeries Mattar, Mor M. Dahan, Stefan Dunkel, Halid Mulaosmanovic, Gunda Beernink, Sven Beyer, Eilam Yalon, and Nicolas Wainstein	We4.4.3	From Concept to Commercialization: Optical Modulation Biosensing Shmuel Burg, Michael Margulis and Amos Danielli	We4.5.3	A Robust Numerical Approach for Estimating the Six-Parameter Thevenin-Based Equivalent Circuit of AC Motors Moshe Averbukh	We4.6.3	Deep Learning for Real-Time Detection of Vulnerable Pedestrians Avigail Haliva, Rina Azoulay, Esther David, Matus Sucha and Wafa Elias
16:45-17:00			We4.2.4	Development of a Lightweight Large-Aperture Off-Axis Metasurface Antenna for Terahertz Communication System Liran Akiva, Daniel Rozban and Amir Abramovich	We4.3.4	Investigating Noise Immunity in Tsetlin Machine: Implementation and Analysis Mor Shy, Yehuda Rudin, Eitan Weiss, Roi Lazar, Michal Yemini and Alexander Fish	We4.4.4	EMD-Enhanced EEG for Prehospital LVO Stroke Detection Alexander Yorov, Mark Parsons, Dennis Cordato, Jasmeen Khan, Ahmad Shafiq Suffian Wee, Helen Badge, Elliot Sprecher, Kfir Y. Levy and Daniel H. Lange	We4.5.4	Power loss estimation in transformers under harmonic load currents Neda Miteva and Kfir Jack Dagan	We4.6.4	Cross-layer retention management in gain-cell edram for energy-efficient ai accelerators Ofek Sharabi and Adam Teman
17:00-17:15	We4.1.5	Flexible on-chip optical atomic clock architecture Andrei Diakonov, Konstantin Khrizman and Liron Stern	We4.2.5	Hybrid Chiral-Omega Response: Symmetry Breaking in Bianisotropic Knot-Particles Nadav Goshen and Yarden Mazor	We4.3.5	Transient kickback effect of multi-reference pair comparators on high speed ADCs and receivers Ofir Glick, Nicolas Wainstein and Ariel Cohen	We4.4.5	A Gait-Synchronized Wearable System for Lumbo-Pelvic Correction in Chronic Low Back Pain Ami Eyal, Omri Lubovsky, Alex Frid, Ram Haddas and Aharon Raz	We4.5.5	Simple identification of active AC-side component values in resonant inverters driving series RLC loads in high-current applications Natan Schecter and Alon Kuperman	We4.6.5	Digital Predistortion Using Phase-Gated Recurrent Networks and Direct Backpropagation Learning Tal Kahal, Yair Neria Cohen, Erez Loebl and Emanuel Cohen
17:15-17:30	We4.1.6	Spatio-temporal plasmonic weak-measurement Sahil Sahoo, Andre Yaroshevsky, Dima Cheskis and Yuri Gorodetski	We4.2.6	Design and Development of a Reconfigurable Metasurface Antenna Using Steer-By-Image Technology for Ka-Band Communication Ido Gal, Tzach Hershko, Oleg Torgovitsky, Daniel Rozban, Gil Kedar and Amir Abramovich	We4.3.6	Bounding Multi-Source-Multi-Output Generalized TRNG Circuits Entropy Rachel Podolak and Itamar Levi	We4.4.6	Hybrid AI–physics modeling for quantitative renal drainage analysis from dynamic x-ray imaging Uriel Shitrit, Mordechai Duvdevani and Talia Yeshua	We4.5.6	Invited: AI in Power Electronics: Status of Knowledge, Intelligence and Creativity (as of March 2026) Prof. Em. Shmuel (Sam) Ben-Yaakov Ben-Gurion University	We4.6.6	YOLO Meets Mixture-of-Experts: Adaptive Expert Routing for Robust Object Detection Ori Meiraz, Sharon Shalev and Avishai Weizman
17:30-17:45	We4.1.7	Invited: Integrated Photonics and Atomic Vapors: Engineering Strong Light–Matter Interactions at the Single-Photon Level Roy Zektzer Bar-Ilan University	We4.2.7	Versatile Semianalytical Scheme for Multilayer PCB Transmissive Metalenses on Demand Sherman W. Marcus, Ravi Yadav, Vinay K. Killamsetty and Ariel Epstein			We4.4.7	Finger joint angle and gesture estimation in dynamic hand postures using a soft printed electrode array Nitzan Luxembourg, Hava Siegelmann and Yael Hanein			We4.6.7	Invited: Geometric Deep Learning for Neural Artifacts: Symmetry-Aware Learning across Trained Model Weights, Internal Representations, and Gradients Haggai Maron Technion
17:45-18:00			We4.2.8	metamamba: hybrid semianalytical and generative inverse design of huygens' metasurfaces Natanel Nissan, Sherman W. Marcus, Dan Raviv, Raja Giryes and Ariel Epstein			We4.4.8	Cross-Scale Networks for Electrical Stimulation Driven Brain Recovery Dafna Rosenberg, Dafna Rivka Levenberg, Zehavit Shapira, Orit Shefi and Yaara Erez				
18:00-19:30	Poster Session + Beer & Wine											
Evening	Conference Banquet											

		Th1.1 Optics-4 Presider: Tal Ellenbogen, Tel-Aviv University		Th1.2 Communications-1 Presider: TBD		Th1.3 Signals-3 Presider: TBD		Th1.4 Quantum Technologies-1 Presider: TBD		Th1.5 Power Electronics-2 Presider: TBD
09:00-09:15	Th1.1.1	Tutorial: 3D printed complex microoptics: Fundamentals and first benchmark applications Harald Giessen University of Stuttgart	Th1.2.1	Invited: Neural Network Approach for Polar Codes Decoding Prof. Haim Permuter Ben-Gurion University	Th1.3.1	Pareto Optimization for Multichannel Speech Enhancement Elior Hadad, Simon Doclo and Sharon Gannot	Th1.4.1	Experimental Quantum Cryptography with Inverse-Designed Entangled Qudits Joshua Foley-Comer, Ofir Yesharim, Sarika Mishra, Shashi Prabhakar, Aviv Karnieli, Eyal Rozenberg, Ravindra P Singh and Ady Arie	Th1.5.1	Invited Prof. Riccardo Mandrioli University of Bologna
09:15-09:30	Th1.1.2		Th1.2.2		Th1.3.2	Meaningful Color Presentation for Infrared Imaging D. E. Bar, A. Giladi, A. Epstin, M. Weinstein, E. Shunem, Y. Shamay and T. Markovitz	Th1.4.2	probeless vs probe-based variable-strength eavesdropping in quantum key distribution Yuval Idan, Tal Gofman, Ziv Abelson, Isabelle Cestier, Elad Mentovich and Eliahu Cohen		
09:30-09:45	Th1.1.3		Th1.2.3	Toward Wi-Fi 8 Ultra-High Reliability: Null Steering Using Data-Embedded Pilots Shimi Shilo, Rani Keren, Nadav Basson, Shachar Shayovitz, Doron Ezri, Ezer Melzer and Yoav Levinbook	Th1.3.3	Calibration-Free Global Offset Compensation for Array-Based Detectors Yoram Karni	Th1.4.3	Tutorial: AI and the Future of Science Dr. Tomer Simon Chief Scientist Microsoft-Israel	Th1.5.3	Dynamic analysis for parameter selection in local power systems for ai data centers Elinor Ginzburg-Ganz and Yoash Levron
09:45-10:00	Th1.1.4		Th1.2.4	Advances in Hard Successive Interference Cancellation for 5G-NR Itay Yakuti, Avner Elgam, Yossi Peretz, and Yosef Pinhasi	Th1.3.4	Identification of Guitar Types Using Ultrasonic Frequency Izhak Kapash and Ram Zamir			Th1.5.4	Closed-loop dynamics in multi-resonant current controllers Moria Sassonker Elkayam and Moshe Sitbon
10:00-10:15	Th1.1.5	Highly efficient design scheme for specialty optical fibers Sravya Rao and Yonatan Sivan	Th1.2.5	CSI and AOD error effect on IRS performance Eitan Ovrutski and Ofer Amrani	Th1.3.5	Invited: Plant-emitted sounds: detection, interpretation and ecological implications Prof. Lilach Hadany Tel-Aviv University			Th1.5.5	Reduced Device Count DC/AC Converter with Output Switching Ripple Elimination Riccardo Mandrioli and Alon Kuperman
10:15-10:30	Th1.1.6	Plasmonic Vortex Generation by Hybrid Poincare Beams Using Nematic Liquid Crystals Sahil Sahoo, Ahmed Lafeef EN, Andrey Yaroshevsky and Yuri Gorodetski	Th1.2.6	Shoot and Bouncing Propagation Model In Complex Tunnels Ravid Borichovitce, Gad A. Pinhasi, Ori Glikstein, and Yosef Pinhasi	Th1.3.6				Th1.5.6	Dual-PI Voltage Control for Attaining Arbitrary Output Voltage Ratio in Synchronous Single-Inductor Dual-Output Buck Converters Andrey Vulfovich, Yegal Darhovsky and Alon Kuperman
10:30-11:00	Coffee Break									
	Th2 Plenary Session B									
11:00-11:45	Th2.1.1	AI-Powered Data Centers: Building a Sustainable Future by Scaling the Package Dr. Anuradha Agarwal Principal Research Scientist, MIT Microphotonics Center and Materials Research Laboratory								
11:45-12:15	Th2.1.2	ICSEE2026 Awards and Recognitions								
12:15-13:00	Th2.1.3	Devices for generation and detection of light at the single photon level Prof. Val Zwiller KTH Royal Institute of Technology, Division of Quantum and Nano Physics								
13:00-14:00	Lunch Break									

	Th3.1 Optics-5 Presider: Yonatan Sivan, Ben-Gurion University		Th3.2 BioEngineering-2 Presider: TBD		Th3.3 High-Speed Interfaces Symposium Presider: Prof. Ariel Cohen, Technion		Th3.4 Quantum Technologies Panel Presider: Dr. Tal David		Th3.5 Power Electronics-3 Presider: TBD	
14:00-14:15	Th3.1.1	Invited: Photonic Origami for On-chip 3D Micro-Optics Tal Carmon Tel-Aviv University	Th3.2.1	Invited: The silicon photonics acoustic detector (SPADE): a versatile platform for biomedical imaging and sensing Prof. Amir Rosenthal Technion	Th3.3.1	Tutorial: Transceiver Architectures for Future System Interconnect Demands Prof. Sam Palermo Texas A&M	Th3.4.1	Quantum Technologies Panel Organized by Dr. Tal David, CEO Quantum Art Panelists: • Dr. Moshe Shuker, National Quantum Initiative • Prof. Alex Retzker, Hebrew University and AWS • Dr. Amir Naveh, Classiq	Th3.5.1	A novel single-phase nine-level current source inverter Mayas Fakher Aldin and Kfir Jack Dagan
14:15-14:30									Th3.5.2	High-Altitude Tethered Cable-Powered Drones: Electric Power Analysis Yehoshua Socol
14:30-14:45	Th3.1.3	Development of a Real-Time Terahertz Imaging System Using a Glow Discharge Detector Focal Plane Array and Lock-In Camera Detection Dor Azran, Lidor Ladany, Tomer Latucha, Or Kakon, Daniel Rozban, Arun Ramachandra Kurup, Yitzhak Yitzhaky, Amir Abramovich and Nathan Kopeika	Th3.2.3	VLSI Accelerates Cell Model Development Shlomo Koifman, Rotem Solomon and Ramez Daniel					Th3.5.3	Synchronverters with Adaptive Harmonic Mitigation Capability Adir Goldovsky, Aaron Zharnest, Fabio Mandrile, and George Weiss
14:45-15:00	Th3.1.4	Design, Simulation and Fabrication Development of Polymer Bragg Gratings on Side-Polished Fibers via Two-Photon Polymerization Abhishek Singh Rathore, Ksenia Shukhin, Parvinder Kaur Gill and Dan M. Marom	Th3.2.4	Reinforcement Learning–Driven Personalized Guided Breathing for Blood Pressure Reduction Regev Azran, Elliot Sprecher, Ron Meir, and Daniel H. Lange					Th3.5.4	IEEE 3 Bus Systems Under Varying Operational Conditions: A Comparative Study under effectiveness of linear control Ido Karbol, Uriel Aferiat, Moshe Sitbon, Moria Sassonker, Riccardo Mandrioli and Martin Mellincovsky
15:00-15:15	Th3.1.5	Faraday effects driven by the magnetic component of optical radiation Benjamin Assouline and Amir Capua	Th3.2.5	Ablative Tm:YAP pulsed laser Salman Noach, Neria Suliman and Rotem Nahear	Th3.3.5	Invited: Co-Packaged Optical Transceivers for HPC, Data Centers and AI Applications Dr. Dan Kuchta Nvidia			Th3.5.5	Data-Driven Circuit Model For Soft Sources Aaron Shmaryahu, Roni Zakay and Ilan Aharon
15:15-15:30	Th3.1.6	Thick Silicon Photonics Spatial Mode Multiplexer with 3D-Printed Fiber Interface for Rectangular-Core Fibers David Halfon, Aleksei Kukin, Ksenia Shukhin, Jeffery S. Stone, Gaozhu Peng, Ming-Jun Li and Dan M. Marom	Th3.2.6	Integrated optical imaging system for quantitative evaluation of tissue optical and physiological properties David Abookasis					Th3.5.6	Passive Thermomagnetic Solar Trackers: Concepts and Architectures Yehoshua Socol and Yosef Golovachev
15:30-16:00	Coffee Break									

		Th4.1 Optics Industry Session Presider: Yonatan Sivan, Ben-Gurion University		Th4.2 Communications-2 Presider: TBD		Th4.3 Signals-4 Presider: TBD		Th4.4 Quantum Technologies-3 Presider: TBD		Th4.5 Computing Presider: TBD
16:00-16:15	Th4.1.1	Invited: Photonics Technologies in CMOS Foundries Yakov Rozin Tower Semiconductors	Th4.2.1	Invited: Impossibility Results in Channel Coding via Auxiliary Channels and Genie-Aided Techniques Anelia Somekh-Baruch Bar-Ilan University	Th4.3.1	Tutorial: Signed Graph Learning: Algorithms and Applications Prof. Selin Aviyente Michigan State University	Th4.4.1	Tutorial: Structured Photons for High-Dimensional Quantum Information Processing Prof. Ebrahim Karimi Chapman University	Th4.5.1	Tutorial: VLSI Complexity Superconductive Quantum Integrated Circuits Prof. Eby Friedman University of Rochester
16:15-16:30										
16:30-16:45	Th4.1.3	Tunable Directional Coupler on the SiN platform for On-chip Commercial Photonic Gyroscope Loren Gamrasni, Saawan Kumar Bag and Itzik Engel	Th4.2.3	Digital Schemes for Gaussian Channels with Noisy Feedback Nadav Jacob Lustig, Yuval Kochman, and Anatoly Khina						
16:45-17:00	Th4.1.4	Free Spectral Range Stability under Linear Thermal Tuning in a Dual-Coupled Microring Resonator Joseph Meyer, Alexander Grebenchukov, Astrid Barreiro, Jose A. Jaramillo-Villegas, J. J. Vegas Olmos and I. Tafur Monroy	Th4.2.4	Copying Versus Randomization in Lempel-Ziv Music Synthesis Nadav Mishan and Ram Zamir						
17:00-17:15	Th4.1.5	Invited: Defense Photonics: When 'Light' is the Spec and the Technology Michal Vadai Elbit Systems	Th4.2.5	Cubic Robust Systematic Codes Have Minimum Distance at Most Two David Erman, Osnat Keren. and Shlomo Engelberg	Th4.3.5	State Estimation with Measurement Sign Errors Tslil Sardam Hugi, Jean Alisse, Igal Goldshtein, Lilach Sabban, Vladimir Lechtman, Eran Treitser and Tirza Routtenberg	Th4.4.5	Invited Talk: The search for quantum advantage in noisy quantum systems Prof. Dorit Aharonov Hebrew University & Qedma Quantum Computing	Th4.5.5	Leakage-Resilient Multi-Party Computation: Protecting the Evaluator in Circuits Garbling Francesco Berti and Itamar Levi
17:15-17:30			Th4.2.6		Th4.3.6	Sum of Squares Polynomial Approximate Dynamic Programming for a State Constrained Problem Gyorgy Hexner			Th4.5.6	Iteration-Dependent Temporal Resilience in Diffusion Models for Approximate Computing Ori Schweitzer, Uri Weiser and Freddy Gabbay
17:30-17:45	Th4.1.7	Invited: Recent Advances in Specialty Fibers: From Research to Optoelectronic Applications Ariel Bruner Israel Center for Advanced Photonics (ICAP)	Th4.2.7		Th4.3.7	Application of the measure-transformed (MT) GLASSO to financial data Nitai Buchnik, Koby Todros and Tirza Routtenberg	Th4.4.7	Invited Talk: Towards a high-sensitivity mobile gravity-gradiometer Dr. Ran Fischer Rafael	Th4.5.7	FSM-Based Look-Ahead Auto Clock Gating: A Generic RTL Framework Leveraging FPGA Clock Management Utilization Yitzhak Ovadya, Yossef Danan, Eliya Leviani, Binyamin Abramov, Yair Kandil, Joseph Bernstein and Amir Shemer
17:45-18:00			Th4.2.8		Th4.3.8	Internal stability of coupled linear infinite dimensional systems Shantanu Singh, Swann Marx and George Weiss			Th4.5.8	Laser Modulation State Recovery via Side-Channel Analysis Or Nahum and Itamar Levi
18:00-19:30	Three Minute Thesis Competition									

Poster Presentations

Paper Nr.	Title	Authors
We5.P1	Field-Deployable OSNR and Spectrum Analytics Using Transceivers for Network-Wide Diagnostics	Abhishek Anchal and Avi Levy
We5.P2	Visible and infrared self-supervised fusion trained on a single example	Nati Ofir and Jean-Christophe Nebel
We5.P3	Defect Detection Approaches Based on Simulated Reference Image	Nati Ofir, Yotam Ben Shoshan, Ran Badanes and Boris Sherman
We5.P4	Integrated Dataset Generation and Testing Platform for Dynamic Graph Neural Network ETA Prediction	Guy Tordjman and Nadav Voloch
We5.P5	FPGA based image content recognition system	Dar Eshel Epstein and Binyamin Abramov
We5.P6	Life-and-Death Decisions of Autonomous Vehicles: Engineered Cut of the Ethical Gordian Knot	Yair Y. Shaki, Moshe Yanovskiy and Yehoshua Socol
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We5.P8	Microwave Link Attenuation under Rain and Hail: Insights into Hail Effects	Liora Mazangia, Jonatan Ostrometzky, Hagit Messer
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We5.P10	Autonomous Minimally-Actuated Multi-Stable Robot for Search and Exploration	Lior Salem, Yizhar Or, Amir D. Gat, Amir Degani, and Oren Salzman
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We5.P12	Language-Vision Model Navigation for Indoor Robots Using Semantic Landmark Grounding	Tamir Basson and Amir Shapiro
We5.P13	Machine-Learning-Driven Computational Spectroscopy based on Optoelectronic Chromatic Dispersion in Photodiodes	Endalamaw Ewnu Kassa, Ziv Glasser, Uttama K Saint, Roi Yozevitch and Shmuel Sternklar
We5.P14	Influence of Molecular Beam Epitaxy Interface Characteristics on Temperature Limits in Advanced THz Quantum Cascade Lasers.	Nathalie Lander Gower, Shiran Levy, Maor Engel, Sadhvikas J. Addamane and Asaf Albo
We5.P15	FeFET-based Reconfigurable Voltage-to-Time Converter in 28 nm CMOS	Hanaa Eqeiq, Jeries Mattar, Stefan Dunkel, Halid Mulaosmanovic, Gunda Beernink, Sven Beyer and Nicolas Wainstein
We5.P16	Analytical Expressions for Photonic Band Structure of One-Dimensional Arrays of Identical Waveguides for Integrated Photonics	Hodaya Teitelbaum, Vladislav Shteeman and Amos A. Hardy
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We5.P18	TCAD based numerical analysis of optoelectronic chromatic dispersion in silicon photodiodes	Meir Itzhaki, Pini Medved, Maor Engel, Ziv Glasser, Shmuel Sternklar and Asaf Albo
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