



**Conference and Exhibition on Optics and Electro-Optics**

**Monday, February 27, 2017**

**08:00-09:00 COFFEE AND REGISTRATION**

**09:00-11:00 OPENING SESSION Plenary Hall**

**Chairperson: Prof. Abraham Katzir, Chairman of Oasis 2017**

**09:00-09:15 Greetings: Prof. Abraham Katzir, Chairman, Oasis 2017  
Eng. Ehud Noff, Chairman, AEAI - Association of Engineers, Architects and Graduates in Technological Sciences in Israel  
Mr. Carlos Lee, Director General, EPIC - European Photonics Industry Consortium**

**09:15-09:30 Prof. Alan Willner, USC, USA - Lessons Learned from U.S. National Photonics Initiative**

**09:30-10:15 Prof. William Moerner, Nobel Prize Winner, Stanford University, USA - The Promise and Challenges of 3D Super-Resolution Microscopy and Single-Molecule Tracking in Cells**

**10:15-11:00 Prof. Ursula Keller, ETH, Zurich, Switzerland - Gigahertz Laser Frequency Combs**

**11:00-11:30 COFFEE BREAK AND POSTERS REVIEW OF TOPICS: LASERS AND APPLICATIONS AND IFLA - FIBER LASERS AND APPLICATIONS**

**11:30-13:00 PARALLEL SESSIONS**

Medicine and Biology Prof. Natan Shaked Gavish Hall	Remote Sensing Dr. Eyal Agassi Civan Hall	Optical Engineering Dr. Ariela Donval Hall C	Non-linear Optics Prof. Meir Orenstein Hall D	IFLA Fiber Laser Technology Dr. Yoav Sintov Hall E
Clinical Detection of Dysplasia using Light Scattering and Interferometry <b>Adam Wax</b> , Duke University, USA*	Atmospheric Limitations on the Performance of Electro-Optical Systems <b>Karin Stein</b> , Fraunhofer Institute, Germany*	Recent Developments in High Performance Quantum Cascade Lasers <b>Kumar Patel</b> , Pranalytica, USA*	Quantum Imaging <b>Robert Boyd</b> , University of Rochester, USA*	<b>Opening Remarks: Prof. Amiel Ishaaya</b>
Applications of Inverse Scattering Principles with Digital Holography <b>YongKeun Park</b> , KAIST, South Korea*	Ray Tracing Engine for Atmospheric Propagation <b>Itay Naeh</b> , Rafael	Restoring Light Sensitivity to Blind Retina <b>David Rand</b> , Tel Aviv University*	Nonlinear Plasmonics at High Temperatures and Thermo-Optic Metamaterials <b>Yonatan Sivan</b> , Ben-Gurion University	<b>Keynote</b> Technical Advances and Future Prospects of Fiber Lasers and Amplifiers <b>Andreas Tuennermann</b> , Friedrich-Schiller-University, Germany
Imaging with Scattered Light: Looking Through the 'Fog' <b>Ori Katz</b> , The Hebrew University*	Ceillometer Evaluation of the East Mediterranean Mixing Layer Height and Dual Movement - First Study of a Few Israeli Sites <b>Leenes Uzan</b> , Tel Aviv University	Optics Manufacturing in a Digitalized Production Environment <b>Holger Kreilkamp</b> , Fraunhofer IPT, Germany	Three-Dimensional Spatiotemporal Pulse-Train Solitons: First Experimental Observation of 3D Solitons <b>Oren Lahav</b> , Technion	Fiber Amplifiers and Lasers using Optical Orbital Angular Momentum (OAM) Modes <b>Moshe Tur</b> , Tel Aviv University*
Theragnostics Techniques based on Plasmon-Coupled Probes <b>Dror Fixler</b> , Bar-Ilan University*	Analysis of Space based Cloud Images and Comparison to a Previous Model <b>Shimshon Lashansky</b> , ELBIT	Optical Coating by Atomic Layer Deposition (ALD) <b>Rami Cohen</b> , Ebit Systems, Electro-Optics-ELOP	Phase Sensitive Parametric Amplification in InGaP Photonic Crystal Waveguide <b>Amnon Willinger</b> , Technion	Tunable Fiber Lasers in the 1µm and 2µm Wavelength Range using Fiber Bragg Grating Arrays <b>Matthias Jäger</b> , Leibniz Institute of Photonic Technology, Germany*
EOView - Automated Spectral Interpretation System <b>Tal Feingersh</b> , IAI		Optical Engineering with Compressive Sensing <b>Adrian Stern</b> , Ben-Gurion University	Photonic Topological Insulators and Topological Lasers <b>Moti Segev</b> , Technion*	
		Expanded Range of Sapphire Configurations using Bonding Techniques <b>Jeremiah Fitzgibbon</b> , Gavish, Inc., USA		

**13:00-14:00 LUNCH**

**13:30-14:00 POSTERS REVIEW OF TOPICS: MEDICINE AND BIOLOGY AND OPTICAL ENGINEERING**

**13:00-14:00 Lunch Symposium**  
Spin-Controlled Multitasking Geometric Phase Metasurfaces  
**Erez Hasman**, Technion  
**Aubergine Restaurant, Lobby Floor**  
Sponsored by: **KLA Tencor**



**14:00-15:30 PARALLEL SESSIONS**

Medicine and Biology Prof. Natan Shaked Gavish Hall	Photonics in Defense Dr. Joelle Schlesinger Civan Hall	Lasers and Applications Prof. Amiel Ishaaya Hall C	Non-linear Optics Prof. Meir Orenstein Hall D	IFLA Material Processing Dr. Kobi Lasri Hall E
Physical Properties of Cells in Biology and Medicine <b>Jochen Guck</b> , Dresden University, Germany*	Eyesafe Standoff Detection of Threats using Monolithically Tunable QCL Arrays <b>Mark Witniski</b> , Pendar Technologies, USA*	Mid-Infrared Microresonator Frequency Combs <b>Alexander Gaeta</b> , Columbia University, USA*	Nanosystems in Ultrafast and Strong Fields: Attosecond Phenomena <b>Mark Stockman</b> , Georgia state University, USA, *	Advanced Pulsed Fiber Lasers for Clean Energy Applications <b>Doron Barness</b> , Spectra-Physics*
Multi-Modal Digital Holographic Microscopy for Cancer Research, Drug Screening and Toxicity Testing <b>Björn Kemper</b> , University of Muenster, Germany*	III-V Semiconductor Photodetectors at SCD <b>Itay Shtrichman</b> , SemiConductor Devices (SCD)*	Microbubble Resonators based Lasers: From Brillouin to Raman, from Single Lines to Broadband Combs <b>Silvia Soria Huguet</b> , CNR-IFAC Institute of Applied Physics, Italy*	Solitons and Faraday Waves in Nonlinear Metasurfaces <b>Roman Noskov</b> , Tel Aviv University	From Laser Design Textures to New Field of Technical Functional Surfaces Applied on the Mold Industry <b>Jérôme Drouot</b> , Geofischer, Switzerland*
Monte Carlo Computational Tool for the Needs of Biophotonics and Biomedical Optics <b>Igor Meglinski</b> , University of Oulu, Finland	Reactive Magnetron Sputtered Multilayer SiO <sub>2</sub> /Er <sub>2</sub> O <sub>3</sub> Antireflection Coatings for Dual Band Infrared Transmission <b>Rakafet Samuelli</b> , Rotem Industries	Topological Insulator Laser <b>Gal Harari</b> , Technion	Nonlinear Chip Scale Light-Vapor Interactions for all Optical Switching, Spectroscopy and Frequency Stabilization <b>Uriel Levy</b> , The Hebrew University*	The Fiber Laser Revolution in Metal Processing, Taking Industries towards Absolute Excellence <b>Arvind Patel</b> , Sahajanand Laser Technology Limited, India*
Recent Progress in Transcranial Optical Vascular Imaging <b>Vyacheslav Kalchenko</b> , Weizmann Institute of Science*	First Field Demonstration of Standoff Detection of Buried Landmines using Fluorescent Bacterial Sensors <b>Yossef Kabessa</b> , The Hebrew University	Digital Degenerate Cavity Laser for Forming Intra-Cavity Images and Rapidly Solving Inverse Problems <b>Chene Tradonski</b> , Weizmann Institute of Science	Advances in High-Resolution Brillouin Optical Correlation Domain Analysis <b>Avi Zadok</b> , Bar-Ilan University	Fiber Lasers - A Universal Tool for Industrial Production <b>Wolfram Rath</b> , Coherent-ROFIN, Germany*
Optical Blood Count <b>Dvir Yelin</b> , Technion*	Derivative based Focal Plane Array Non-Uniformity Correction <b>Gal Ness</b> , Technion	New Types of Plasma Lasers <b>Lev Nagli</b> , Ariel University	Breaking Laser Axions on Thermal Equilibrium and Lasing without Inversion in Erbium-Doped Fibers <b>Baruch Fischer</b> , Technion*	Water Jet Guided Green Fibre Lasers and it's Applications <b>Bernold Richerzhagen</b> , Synova S.A., Switzerland*

**15:30-16:00 COFFEE BREAK AND POSTERS REVIEW OF TOPICS: NONLINEAR OPTICS, PHOTONICS IN DEFENSE, REMOTE SENSING AND SOLAR ENERGY**

**16:00-17:30 PARALLEL SESSIONS**

Solar Energy Dr. Yaakov Tischler Gavish Hall	Remote Sensing Dr. Eyal Agassi Civan Hall	Lasers and Applications Prof. Amiel Ishaaya Hall C	Micro and Nano Optics Prof. Jacob Scheuer Hall D	IFLA Fiber Sensing Prof. Avishay Eyal Hall E
Photoluminescence: An Optical Heat Pump for Harvesting Thermal Losses in Photovoltaics <b>Carmel Rotchild</b> , Technion*	Detection and Identification of Hazmat using Thermal Hyperspectral and Spectropolarimetric Imaging <b>Michal Shimoni</b> , Signal and Image Centre (SIC-RMA), Belgium*	Novel Packaging Scheme using Femto-Second Laser 3D Patterning <b>Yuval Berg</b> , Orbotech Ltd.	Novel Materials for Next Generation Photonic Devices <b>Michal Lipson</b> , Columbia University, USA*	Dynamic Fiber Sensing with High Spatial Resolution <b>Lihai Shihou</b> , Tel Aviv University*
Understanding the Microscale Heterogeneity in Metal Halide Peroxide Solar Cells <b>Samuel D. Stranks</b> , Cambridge University, UK*	Standoff Thermal Infrared Hyperspectral Imaging for Ground-based and Airborne Remote Sensing Applications <b>Jean Giroux</b> , Telops Inc., Canada*	Passively Q-Switched 2µm Lasers, for Medical and Industrial Applications <b>Salman Noach</b> , JCT	High Detection Limit Polymer-based Optofluidic Sensors for Water Pollutant Monitoring <b>Isabelle Ledoux-Rak</b> , Ecole Normale Supérieure de Cachan, France	Waveform-processing LIDAR versus Gaiger-mode LIDAR <b>Andreas Ulrich</b> , RIEGL LMS GmbH, Austria*
Graphitic Carbon Nitride Layers as Light-Harvesting Semiconductors for Photoelectrochemical Cells <b>Menny Shalom</b> , Ben-Gurion University*	Towards Optical Detection of Condensed Phase Materials <b>Ran Aharoni</b> , IIBR	Non-Contact and Non-Disruptive Laser based Characterization of High Aspect Ratio Micro Structures <b>Niv Gorodetsky</b> , Bar-Ilan University & Orbotech Ltd.	Tunable Photonic Crystals by Holographic Optical Tweezers <b>Yael Roichman</b> , Tel Aviv University	The Statistical Properties of Distributed Acoustic Sensing <b>Haniel Gabai</b> , Tel Aviv University*
Photodiode Pyranometers <b>Uri Maurice</b> , QCC Hazorea Calibration Technologies	Using Optical Gas Imaging to Enforce Air Pollution Reduction <b>Omer Yanai</b> , Opgal Optronics Industries	Strengthening of Large Nd:YAG Laser Rods for High Power Applications <b>Shuki Shimony</b> , Soreq NRCn	Overtone Spectroscopy with Reconfigurable Microfibers <b>Alina Karabchevsky</b> , Ben-Gurion University	Opto-Mechanics of Single-Mode and Multi-Core Fibers <b>Avi Zadok</b> , Bar-Ilan University*
	Drone based Raman/Luminescence Spectroscopy for Remote Homeland Security <b>Michael Gaft</b> , Laser Detect Systems	Pump-to-Laser Beam Overlap Optimization in Ti:Sapphire Pumped and Diode Pumped Alkali Lasers (DPALS) <b>Boris Barmashenko</b> , Ben-Gurion University	Super Resolution Microscopy based on Photo-Modulated Reflectivity <b>Ori Cheshnovsky</b> , Tel Aviv University*	
		Substrate-Transferred Crystalline Coatings for the Near- and Mid-Infrared <b>Garrett D. Cole</b> , Crystalline Mirror Solutions, USA		

**End of Day 1**

**Tuesday, February 28, 2017**

**08:00-09:00 COFFEE AND REGISTRATION**

**09:00-11:00 OPENING SESSION Plenary Hall**

**Chairperson: Prof. Asher Friesem**

**09:00-09:30 Prof. Asher Friesem, Weizmann Institute of Science - Looking Back and Looking Ahead  
Dr. Andrey Broisman, Ministry of Science, Technology and Space - The Mission of the Ministry of Science, Technology and Space  
CERTIFICATE AWARD CEREMONY**

**09:30-10:15 Prof. Sir David Payne, Optoelectronics Research Center at the University of Southampton, UK - Optical Fibres: The Next Generation**

**10:15-11:00 Prof. Victor Malka, Weizmann Institute of Science, Israel - Manipulating Electrons with Intense Laser Pulses**

**11:00-11:30 COFFEE BREAK AND POSTERS REVIEW OF TOPICS: QUANTUM OPTICS AND ULTRAFAST PHENOMENA**

**11:30-13:00 PARALLEL SESSIONS**

Quantum Optics Prof. Barak Dayan Gavish Hall	Photonics in Defense Dr. Joelle Schlesinger Civan Hall	Ultrafast Phenomena Prof. Oren Cohen Hall C	Micro and Nano Optics Prof. Jacob Scheuer Hall D	IFLA High Power Fiber Lasers Dr. Boaz Lissak Hall E
Quantum Optical Diode and Circulator based on the Chiral Interaction Between a Single Atom and Photons with Transverse Spin <b>Arno Rauschenbeutel</b> , TU Wien, Austria*	Active and Passive EO-Systems: Future Trends and Evaluation <b>Helge Buersing</b> , Fraunhofer IOSB, Germany*	Free-Electron Quantum Optics Studied by Ultrafast Transmission Electron Microscopy <b>Claus Ropers</b> , University of Göttingen, Germany*	Extreme Photonics <b>Nader Engelta</b> , University of Pennsylvania, USA*	<b>Keynote</b> Coherent Time-Domain Combining of Femtosecond Pulses for the Next Generation of Power Scalable Fiber Lasers <b>Alimantas Galvanauskas</b> , University of Michigan, USA
Photon-Number Reconstruction and Photon Generation in an Ion-Cavity System <b>Tracy Northup</b> , University of Innsbruck, Austria*	EO Imaging Systems and Detectors - Performance Optimization <b>Michael Ben-Ezra</b> , IMODIID*	Stimulated Radiation Interaction of a Single Electron Quantum Wavepacket <b>Avraham Gover</b> , Tel Aviv University	Laser Beam Shaping with Intra-Cavity Gradient Metasurfaces <b>Ronen Chirki</b> , Weizmann Institute of Science	250 W Average Power Inner-Cladding Pump Raman Fiber Laser <b>Yariv Shamir</b> , Soreq*
Demonstration of Deterministic and Passive Photon-Atom SWAP Quantum Gate <b>Adrien Borne</b> , Weizmann Institute of Science	TRM4 for Sensor Performance Calculations <b>Dov Steiner</b> , IARD Sensing Solutions	Isolating Strong-Field Dynamics in Molecular Systems <b>Gal Orenstein</b> , Weizmann Institute of Science	Topological Defects in Coupled Laser Networks <b>Vishwa Pal</b> , Weizmann Institute of Science	kW-Class Lasers based on Coherent Beam Combining <b>Yaniv Vidne</b> , Civan Advanced Technologies Ltd*
Molecular Vibrational Strong Coupling: Novel Route to Modify Materials Properties <b>Atef Shalabney</b> , Ort Braude College	Prediction of Objects Detection, Recognition and Identification [DR] Flanges at Color Scene Images, based-on Quantifying Human Color Contrasts Perception <b>Ephi Pinsky</b> , Rafael	Nonlocal Nature of the Ultrafast Nonlinear Response of Metals <b>Yonatan Sivan</b> , Ben-Gurion University	Advanced Optical 3D-microstructures Elements made of Sol-gel Derived Hybrids prepared by Nano-imprint Lithography (NIL) <b>Raz Gvishi</b> , Soreq	
Quantum Superresolution and Spectral Intensity Interferometry <b>Erez Ribak</b> , Technion	Hybrid Video Simulator for Guided Projectile Seeker <b>Idan Paiss</b> , Israeli Aerospace Industries	Optical Access to Topological Insulator Spin Dynamics <b>Dmitry Panna</b> , Technion	Water-Walled Optofluidics and Water-Wave Lasers <b>Tal Carmon</b> , Technion*	

**13:00-14:00 LUNCH**

**13:30-14:00 POSTERS REVIEW OF TOPIC: MICRO AND NANO OPTICS**

**13:00-14:00 Lunch Symposium**  
140W Wavelength-Stabilized Fiber-Coupled Diode Laser at 976nm  
**Bob (Chao) Lang** on behalf of **Ray Xu**, BWT, Beijing  
**Aubergine Restaurant, Lobby Floor**  
Sponsored by: **BWT, Beijing**



**14:00-15:30 PARALLEL SESSIONS**

Quantum Optics Prof. Barak Dayan Gavish Hall	Electro Optics in Industry Dr. Michael Berger Civan Hall	Ultrafast Optics Prof. Oren Cohen Hall C	Electro-Optic Devices Prof. Dan Marom Hall D	IFLA Optical Fiber Technology Dr. Ariel Bruner Hall E
Optical Homodyne with Optical Bandwidth <b>Yaakov Shaked</b> , Bar-Ilan University	Automated Assembly and Testing of Photonics Devices: Addressing the Needs of Growing Production Volumes <b>Ignazio Piacentini</b> , IiconTEC Service GmbH, Germany	Ultrafast Adiabatic Second Harmonic Generation by Aperiodically Poled Nonlinear Crystal <b>Haim Suchowski</b> , Tel Aviv University	Harnessing Photonic Integrated Circuits <b>Andrea Melloni</b> , Politecnico di Milano, Italy*	<b>Keynote</b> Realizing a Moore's Law for Fibers <b>Yoel Fink</b> , Massachusetts Institute of Technology, USA
Quantum Correlations Enhanced Super-Resolution Localization Microscopy <b>Yonatan Israel</b> , Weizmann Institute of Science	Wave-Front Reconstruction for Water and Mask Inspection Sensitivity Enhancement <b>Yinnon Glickman</b> , Applied Materials	Leakage Imaging and Tracking of Ultrafast Surface Plasmon Pulses <b>Yuri Gorodetski</b> , Ariel University	Induced Mode Mixing via Spatial Phase Masks Directly Printed on Fiber Facet <b>Miri Blau</b> , The Hebrew University	Silica Fibre Fabrication at the Photonics Institute in NanYang Technological University <b>Seongwoo Yoo</b> , NanYang Technological University, Singapore*
Measuring Incompatible Observables of a Single Photon <b>Eliahu Cohen</b> , University of Bristol, UK	A New Automated Optical 3D-Shaping Machine for Printed Circuit Boards <b>Oded Mor</b> , Orbotech	Giant AC Stark Effect in a Strongly-Coupled Light-Matter System <b>Nadav Landau</b> , Technion	Optimizing Depth of Field Methodology using Annular Liquid Crystal Spatial Light Modulator assisted by Image Processing <b>Naama Shukrun</b> , Ben-Gurion University	Fluoride Glass Fibers for Active Applications <b>Robert Pafchek</b> , ThorLabs, USA*
Simulating Spatial Distribution of Spontaneously Down Converted Photon Pairs in Nonlinear Crystals <b>Sivan Trajtenberg-Mills</b> , Tel Aviv University	Challenges of New Product Introduction for the Semi-Conductor Industry <b>Adam Baer</b> , KLA-Tencor	Nonlocal Nature of the Ultrafast Nonlinear Response of Metals <b>Yonatan Sivan</b> , Ben-Gurion University	Hybrid based TriPlex™ Waveguides for a Broad Application Range <b>Arne Leinse</b> , LionX International, Netherlands*	Advances in Phosphate Glass Optical Fibers for Lasers and Optical Amplifiers <b>Daniel Milanese</b> , Politecnico di Torino - DISAT, Italy*
Diffractive-Free Beams <b>Slava Smartsev</b> , Weizmann Institute of Science	MTFS Manufacturer of IR Optics <b>Hannes Duncker</b> , Trioptics Inc, Germany	High-Speed Holography of the Retina <b>Michael Atlan</b> , KLA-Tencor		
Demonstration of a Bit-Flip Correction for Enhanced Sensitivity Measurements <b>Lior Cohen</b> , The Hebrew University	Smart Thermal Imaging Platforms for the Widest Range of Applications <b>Fredric Mathieu</b> , Device-Alab, France			

**15:30-15:50 COFFEE BREAK AND POSTERS REVIEW OF TOPICS: ELECTRO OPTIC DEVICES AND ELECTRO OPTICS IN INDUSTRY**

**15:50-17:40 PARALLEL SESSIONS**

Nano and Quantum Optics Prof. Jacob Scheuer Gavish Hall	Electro Optics in Industry Dr. Michael Berger Civan Hall	Enhanced Optical Sensing Techniques Dr. Eyal Agassi Hall C	Electro-Optic Devices Prof. Dan Marom Hall D	IFLA Fiber Components Eyal Shekel Hall E
The Quantum Knitting Machine: A Deterministic Route for Producing Large Scale Entanglement <b>David Gershoni</b> , Technion*	Futura Advanced Zoom: An Ultrafast Zoom Lens <b>Thomas Schaeffler</b> , Cioptiq, Germany	Fast Electrically Switchable IR Notch Filter using Liquid Crystal <b>Karni Wolowelsky</b> , Technion	Integrated Nanophononic Circuits: Harnessing On-Chip Phonon-Phonon Interactions <b>Benjamin J. Eggleton</b> , School of Physics, University of Sydney, Australia*	Concepts for High Brightness Fiber Coupled Diode Laser Modules for Fiber Laser Pumping and Direct Diode Cutting Applications <b>Jörg Neukum</b> , Coherent   DILAS, Germany*
Direct Single Photons: A Highly Directional Room-Temperature Single Photon Device <b>Hamzu Abudayyeh</b> , The Hebrew University	Application of Phase Matching Autofocus in Airborne Long-Range Oblique Photography Camera <b>Vladimir Petrushevsky</b> , Ebit Systems ElectroOptics - ELOP	Plasmon-Waveguide Resonances with Enhanced Figure-of-Merit and their Potential for Infrared Region Bio-Sensing in the Near Infrared Region <b>Said Mahajna</b> , Ort Braude College	Light-Enhancing Plasmonic-Nanopore Biosensor for Superior Single-Molecule Detection <b>Amit Meller</b> , Technion	Femtosecond Inscription of Bragg Gratings in Various Fibers and Planar Transparent Materials using a Phase Mask <b>Amiel Ishaaya</b> , Ben-Gurion University*
Enhanced Nitrogen-Vacancy Concentration in Diamond through Optimized Electron Irradiation <b>Demetriy Farfurnik</b> , The Hebrew University	Minimization of Light Power Losses in Diffractive Optics and Computer Generated Holograms <b>Michael Gold</b> , Tel Aviv University	Radiometric Imaging by Double Exposure of Blurred and Sharp Thermal Images <b>Itzhak Klapp</b> , Volcani Center-ARO	Feasibility of using Nano-Columbar PbSe Thin Films Grown by CBD as a SWIR Photodetector <b>Hadar Manis Levy</b> , Ben-Gurion University	Fs Lasers for Complex Gratings, Integrated Circuits and Beam Shaping with Novel Optical Fibers <b>Kyriacos Kalli</b> , Cyprus University of Technology, Cyprus*
Plasmonic "Templar Cross" Antennas for Subwavelength Addressing of Spin States in Diamonds <b>Tzachi Jaffe</b> , Technion	InAsP/(GaSb, InAsSb) and HgTe/CdTe Superlattices: Detector Materials with Topological Properties <b>Philip Klipstein</b> , SemiConductor Devices	Practical Considerations in MTF Measurement of a Digital Head-Up Display System <b>Yuval Erez</b> , Ebit Systems ISTAR	High-Speed InAs/InP Quantum Dot Laser with Low Sensitivity to Temperature Change <b>Ori Eyal</b> , Technion	Very High Power Fiber-to-Fiber Coupled Devices <b>Zachary Sacks</b> , Ebit Systems Elop Cambridge, UK*
High Resolution Trapping using Structured Super-Oscillating Light Beams <b>Harel Nagari</b> , Tel Aviv University		Improving the Sensitivity of Fluorescence-based Immunoassays by Reducing the Auto-Fluorescence of Magnetic Beads <b>Amos Danielli</b> , Bar-Ilan University	Optoelectronic Adventure in 2D Land <b>Ilya Goykhman</b> , University of Cambridge, UK*	
Observation of Anderson Localization in Disordered Nanophotonic Structures <b>Hanan Herzog</b> , Technion				
Multitasking Geometric Phase Metasurfaces <b>Elihanan Maguid</b> , Technion				

**17:40-18:00 Concluding Remarks Plenary Hall Prof. Abraham Katzir, Chairman of Oasis 2017**

**End of Day 2**

**Key**  
\* **Invited Lectures**