Session's Program*

	Mar. 26, 2007			Mar. 27, 2007		
8:00 – 9:00	Registration			Registration		
9:00 – 9:15	Official Opening, Greetings			Official Opening, Greetings		
9:15 – 10:00	Plenary Invited Talk Prof. Thomas W. Ebbesen: "Surface Plasmon Photonics"			Plenary Invited Talk Prof. Eli Yablonovitch: "Nano-Photonic Silicon Circuits as a Commercial Technology"		
10:00-10:15	Coffee Break			Coffee Break		
10:15–13:30	(6) NLO	(2) Displays	(10) Lidar	(5) UFP	(7) Defense & HLS Optics	(8) Nano & Micro
13:30–15:00	Lunch Break and Poster Session			Lunch Break and Poster Session		
15:00–18:15	(9) Q.O.	(3) Bio	(12) Inspection & Vision	(4) Lasers & Applications	(11) Optics in Industry	(1) Communications
18:30-1930	Business Meeting					

*The program is subject to changes

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Session 1 : Optical Communications – Chairmann : Zeev Zalevsky, Bar Ilan University
Date & Time : Mar. 27, 15:00-18:15

Time	Title & Author
15:00-15:20	Hilmi Volkan Demir, Bilkent Univ. **Hybrid Optoelectronic Devices and Systems for New Photonic Functions**
15:20-15:40	Dan Sadot, BGU **Next Generation Multi-Access PONs**
15:40-16:00	Antonio Díez, José Luis Cruz, Martina Delgado-Pinar, Jaime Cascante and Miguel V. Andrés, Univ. of Valencia **Fiber-Optics Components Based on Photonic Crystal Fibers**
16:00-16:20	Carl O.Weiss, PTB **Optical Information Processing with Spatial Micro-Resonator Solitons**
16:20-16:40	Yeshaiahu Fainman, UCSD **Ultra-Fast Optical Information Processing**
16:40-16:50	Break
16:50-17:10	Shlomi Arnon, BGU **Using Optical Wireless Communication to Harvest Information From Network of Sensor**
17:10-17:30	U. Levy, K. Campbell, A. Groisman, S. Mookherjea and Y. Fainman, Hebrew Univ. **Tunable Opto-Fluidics Filters**
17:30-17:45	A. Zadok, A. Eyal and M. Tur, TAU **Optically Induced Filters Based on Stimulated Brillion Scattering**
17:45-18:00	Damian Goldring and David Mendlovic, TAU **Novel Silicon Photonics Devices**
18:00-18:15	O. Cohen, D. Kedar, S. Arnon and Y. Nemirovsky, Technion **Micro CCR Array Passive Transmitter for Communication and Sensor Network Applications**
18:15-18:30	Ariela Donval, Moshe Oron, Ram Oron et al, KiloLambda **Dynamic Attenuator Controlling Optical Power Levels in Networks**
18:30-18:40	Marina Sirota , Ehud Galun, Tsiala Saraidarov, Renata Reisfeld, Doron Bitton , Ram Oron, Elbit Systems Electro-Optics Elop, HUJI, KiloLambda ltd. **Optical fiber anti reflective coating based on sol-gel technology**

Session 2 : Displays and Spatial Light Modulators Chairmann : Uzi Efron – Ben Gurion University
Date & Time : Mar. 26, 10:15-13:30

Time	Title & Author
10:15-10:35	A. Friesem, Weizmann **Compact Planar Displays**
10:35-10:55	V. Weiss, Elbit Systems Electro-Optics Elop **Light-Guide Based Display Systems**
10:55-11:15	F. Simoni, R. Castagna, L. Criante, M. Gentili, D. E. Lucchetta, L. Lucchetti, F. Vita, U. Ancona, Italy **Soft Materials for Optical Data Storage & Processing**
11:15-11:35	A. J. Agranat, A. Bitman, N. Sapiens, L. secondo, G. Bartal, M. Segev, HUJI, Technion **Electro-Holographic Tunable Wavelength selective switch in the g44 Configuration**
11:35-11:50	Break
11:50-12:10	S. Junique, Q. Wang, B. Noharet, S. Almqvist, K. Wang, J. Andersson , ACREO-Sweden **Multiple Quantum Well Surface-Normal Modulator Arrays for Imaging and Free-Space Optical Communication**
12:10-12:30	I. Abdulhalim, BGU **Liquid Crystal Optical Modulators for Biomedical Applications**
12:30-12:45	M. Golub, Explay Ltd. **Advantages & Limitations of Micro-Optical Element Arrays in SLMs**
12:45-13:00	B. Apter, Y. David, I. Zedaka, U. Efron **,** HIT, BGU **Experimental Studies and Computer Simulation of an Ultra Small Pixel SLM**
13:00-13:15	N. Shaked, S. Mesika, S. Dolev, J. Rosen , BGU **Optical Solution to the Traveling Salesperson Problem**
13:15-13:30	U. Efron, BGU **On the Physical Limitations of Electro-Optical Materials**

Session 3 : Optics in Medicine and Biology Chairmann : Abraham Katzir – Tel Aviv University

Date & Time : Mar. 26, 15:00-18:15

Time	Title & Author
15:00-15:20	Irving J. Bigio, Boston University, Departments of Biomedical Engineering, Electrical Engineering, and Physics **Elastic Light Scattering Spectroscopy for the Detection of Early Cancer and Pre-Cancer**
15:20-15:35	Eruv T. & Gannot I, TAU **Fluorescence Lifetime Based Functional Optical as a tool for Early Detection of Cancer**
15:35-15:50	Gordon J. & Feurmann D. ,BGU **Non Coherent Photonics in Lieu of Lasers for High Efficacy Photothermal Surgery**
15:50-16:05	Lev A. & Sfez B, Soreq Center **Ultrasound-Modulated Light Tomography: a New Functional Imaging Modality**
16:05-16:20	Manevitch A. & Lewis A, HUJI **Selective Elimination of Fungal Infections Within and Below Surfaces Using a Femtosecond Laser**
16:20-16:35	Marks Robert, BGU **Fiber-Optic Immunosensors for the Detection of Dangerous Viruses**
16:35-16:50	Break
16:50-17:05	Mayevsky Abraham, Bar Ilan Univ. **Shedding Light on Life: Optical Monitoring of Tissue Viability in Biology and Medicine**
17:05-17:20	Mordechai S & Sahu. R.K.l, BGU **Prospects for Diagnosis of Pre-Malignancy in Intestinal Anastomosis Using Infrared Micro-Spectroscopy**
17:20-17:35	Oron-Herman M. Orenstein A. Sheba Hospital **Enhanced Detection of Tumors with a Novel Targeted Fluorescne Agent**
17:35-17:55	Palanker D. Huie P. L, Stanford Univ. **Optoelectronic Retinal Prosthesis System Design and Performance**
17:55-18:10	Platkov M. Katzir A. TAU **SNIM**
18:10-18:25	Primack H. & Weinstein A. OrSense **Non-Invasive Sensing of Glucose and Hemoglobin**

Session 4 : Lasers and Applications Chairmann : Itzhak Schnitzer - RAFAEL
Date & Time : Mar. 27, 15:00-18:15

Time	Title & Author
15:00-15:25	Prof. Gover, Avraham EE. TAU **High Power Coherent Radiation Sources and Lasers Based on Electron Beams: from Microwaves to X-Rays**
15:25-15:40	Moshe Levy, SCD **The Effect of Compressive and Tensile Strain on the Performance of 808nm QW High Power Laser Diodes**
15:40-15:55	Thomas Kraft, JDSU Laser Pr. Milpitas CA **New Approaches to Visible Solid-State Laser Designs**
15:55-16:10	Regina Shvartzer, KiloLambda **Fiber Coupling Using Laser Radiation**
16:10-16:25	N. Shitrit, Soreq, BGU **Laser Direct Writing of Chalcogenide Waveguides**
16:25-16:45	Break
16:45-17:10	**Yehuda Nachshon,** RAFAEL **Critical Issues in Implementation of High Energy Laser Weapon Systems (HELWS)**
17:10-17:25	Vardit Eckhouse, Weizmann Institute **Coherent Combining of Lasers**
17:25-17:40	Yaakov Glick, Soreq, Electro-Optics Division **Strictly-all-fiber 1070nm High Power 300W Source in a Side-Coupled Pump Configuration**
17:40-17:55	Galina Machavariani, Soreq, E-O Div, Weizmann **Mode Conversion and Beam Brightness Enhancement in a High-Power Laser**
17:55-18:10	Elad Yaniv,Elbit Sys. Haifa **Synchronized Active Gated Imaging (SAGI)**
18:10-18:25	Shlomi Dolev, BGU **Optical Implementation of a Microprocessor for Solving the Hamiltonian-Path Problem**

Session 5 : Ultrafast Phenomena Chairmann : Hagai Eisenberg – Hebrew University

Date & Time : Mar. 27, 10:15-13:30

Time	Title & Author
10:15-10:45	Yaron Silberberg, Weizmann **Coherent Control with Shaped Femtosecond Pulses**
10:45-11:05	Yechiam Prior, Sharly Fleischer, I.Sh. Averbukh Weizmann **Selective Optical Addressing of Close Molecular Species**
11:05-11:25	S. Kallush and R. Kosloff, HUJI **Schemes of Quantum and Classical Control for Photoassiciation of Ultracold Atoms**
11:25-11:45	Zohar Amitay, Lev Chuntonov, Andrey Gandman, Leonid Rybak, *Technion* **Femtosecond Control of Multiphoton Excitations and Information Processing**
11:45-12:00	Break
12:00-12:30	S. Eisenmann, Y.Katzir, A.Pukhov, A. Zigler, HUJI , Y. Sivan, G. Fibich Tel-Aviv University Y. Ehrlich, E.Louzon, Z. Henis, Soreq Research Center **Optical and Plasm a Filaments Generated During Propagation of a High Power Short Pulse Laser in Air**
12:30-12:50	Y. Vidne and M. Rosenbluh, BIU **Spatial Modes in a PCF Generated Continuum**
12:50-13:10	Amir Rosenthal, Moshe Horowitz's Technion **Bragg-Soliton Formation and Pulse Compression in a One-Dimensional Periodic Structure**
13:10-13:30	Omri Gat/Baruch Fisher, HUJI **Critical Phenomena of Light**

Session 6 : Non Linear Optics Chairmann : Ady Arie – Tel Aviv University
Date & Time : Mar. 26, 10:15-13:30

Time	Title & Author
10:15-10:40	S. M. Saltiel, R. Fischer, D. N. Neshev, A. Dreischuh, W. Krolikowski, and Y. S. Kivshar University of Sofia + University of Canberra **Optical Harmonics Generation in SBN Crystal with Random Ferroelectric Domain Structure**
10:40-11:05	Pinhas Blau, Soreq **Recent Advancements in Tunable Laser Sources Using Non-Linear Optical Parametric Devices**
11:05-11:20	Barak Freedman, Ron Lifshitz, and Mordechai Segev, Technion + TAU **Phasons and Pure Phason Strain in Nonlinear Photonic Quasicrystals**
11:20-11:35	Raz Gvishi, Soreq **Nonlinear Absorption and Refraction Process of Fluorene-Based Molecules via Picosecond and Femtosecond Measurements**
11:35-11:50	Break
11:50-12:15	Dan Oron, Miri Kazes, Uri Banin, HUJI **Nonlinear Emission from Multiply Excited Colloidal Semiconductor Quantum Dots**
12:15-12:30	I. Torchinsky, G. Rosenman, **Surface Energy Modification for Ferroelectric Crystals Bonding**
12:30-12:45	Moti Katz, Soreq **On Vapor-Transport Equilibrated Periodically Poled Stoichiometric $LiTaO_3$ For Frequency Conversion**
12:45-13:00	A. Bruner, N. Shitrit and B. Sfez, M. Klebanov and V. Luybin, Soreq + BGU **Hollow Waveguidefor Nonlinear Light Processing**
13:00-13:15	Yonatan Sivan, TAU Drift Instability of Solitons
13:15-13:30	Y. Linzon, R. Morandotti, M. Volatier, V. Aimez, R. Ares, and S. Bar-Ad , Tel Aviv University, Israel **Nonlinear Scattering and Trapping by Local Photonic Potentials**

Session 7 : Defense & Homeland Security Electro-optics Chairmann : Itamar Shoshan - El-Op
Date & Time : Mar. 27, 10:15-13:30

Time	Title & Author
10:15-10:40	Almantas Galvanauskas, University of Mishigan, U.S.A. **High Peak Power Fiber Lasers**
10:40-11:00	Itamar Shoshan, Elbit Systems Electro-Optics Elop **Power and Brightness Scaling of Lasers for Defense Applications**
11:00-11:15	Yonatan Sivan , Gadi Fibich,Yosi Ehrlich, Einat Louzon, Moshe Fraenkel, Shmuel Eisenmann, Yiftach Katzir, and Arie Zigler, Tel Aviv University, NRC Soreq , Hebrew University of Jerusalem **Control of the Collapse Distance in Atmospheric Laser Beam Propagation**
11:15-11:30	Irena Shafir, Ofer Gayer, Ariel Nause, Lev Nagli, Abraham Katzir , Tel Aviv University **Towards the Realization of Fiber Lasers in the Mid Infrared**
11:30-11:45	Yehoshua Socol , Yosef Pinhasi. The College of J&S, Ariel **High-Power Lasers in Defense and Security**
11:45-12:00	Break
12:00-12:20	Dov Oster, Maf'at DDR&D, Israel Ministry of Defense **Directions in Defense Electro-Optics in Israel**
12:20-12:35	Ron Nadler, Elbit Systems Electro-Optics Elop **High Performance Hyperspectral Remote Sensing**
12:35-12:50	Michael Golub, Menachem Nathan, Amir Averbuch, Alon Schclar, TAU **Spectral Multiplexing Approach for Hyperspectral Camera on chip**
12:50-13:05	Eitan Hirsch and Eyal Agassi, Israel Institute for Biology Research **Detection of Gaseous Plume in IR Hyperspectral Images Using Spatial Modified K-Means**
13:05-13:20	Barak Fishbain, Ianir Idess, Shai Gepstein, Leonid Yaroslavsky, Tel Aviv University **Turbulent video enhancement: Image stabilization and super-resolution**
13:20-13:35	Zadok Hadas and Oren Ezer, Elbit Systems Electro-Optics Elop **Image Fusion for Surveillance Applications**

Session 8 : Micro&Nano Optics, Periodic Structures and Coatings Chairmann : Erez Hasman-Technion
Date & Time : Mar. 27, 10:15-13:30

Time	Title & Author
10:15-10:45	Y. De Wilde, F. Formanek, R. Carminati, B. Gralak, P.A. Lemoine, K. Joulain, J.P. Mulet, Y. Chen and J.J. Greffet **Blackbody Radiation Revisited in the Near Field**
10:45-11:15	G. Lecamp, J.P. Hugonin and P. Lalanne, Univ Paris-Sud, **Theoretical and Computational Concepts for Periodic Optical Waveguides**
11:15-11:30	Jacob Scheuer, TAU **Annular Bragg Resonators (ABR) –** **The Ideal Tool for Biochemical Sensing Nonlinear Optics and Cavity Qed**
11:30-11:45	Eran Grinvald, Tsvi Katchalski and Asher A. Friesem, Weizmann Institute of Science **The Role of Photonic Band Gaps in Polarization Independent Resonant Grating Waveguide Structures**
11:45-12:00	Break
12:00-12:30	Jurgen Jahns, Michael Bohling and Hans Knuppertz, University of Hagen, Germany **Planar Integrated Free-Space Optics : Ongoing Research**
12:30-13:00	Timo Jaaskelainen and Jari Turunen, University of Joensuu, Finland **Diffractive Control of Polarization and Color**
13:00-13:30	Mark Dennis, University of Southampton, UK **"Topology of the Optical Field at the Microscale :** **Diffraction Caustics, Vortices and Polarization Singularities "**
13:30-13:45	Nir Dahan, Avi Niv ,Gabriel Biener,Yuri Gorodetski, Vladimir Kleiner, Erez Hasman, Technion **Enhanced Coherent Thermal Emission of Coupled Resonant Cavities due to Surface Waves Excitation**

Session 9 : Quantum and Atomic Optics Chairmann : Nir Davidson – Weizmann Institute

Date & Time : Mar. 26, 15:00-18:15

Time	Title & Author
15:00-15:20	Yaron Silberberg, Weizmann **Shaping and Control With Single Photons**
15:20-15:40	Nimrod Moiseyev, Technion **Adiabatic Theorem for Open Systems: Alignment/Entanglement of Molecules by Lasers**
15:40-16:00	Dudi Gershony, Technion **Semiconductor Quantum Dots as Entangled Light Sources**
16:00-16:20	Gershon Kurizki, Weizmann : **Nonlinear Optics with Few Photons** ?
16:20-16:40	Omry Gat, HUJI **Quantum Dynamics and Breakdown of Classical Realism in Nonlinear Oscillators**
16:40-16:55	Break
16:55-17:15	Roee Ozeri , JILA \ Weizmann **Curiosity Killed the Cat:** **The Generation and Death of Coherence and Entanglement in Trapped-ion Systems**
17:15-17:35	Shmuel Fishman, Technion **Quantum Chaos, Resonances and Atom Optics: From Experiment to Number Theory**
17:35-17:55	Moshe shuker, Rafael/Technion **EIT Line-Width : How Low Can You Go** ?
17:55-18:15	Ami Vardi, BGU **Confinement Effects on the Stimulated Dissociation of Molecular Bose-Einstein Condenstates**

Session 10 : Remote Sensing, Imaging and Lidars Chairmann : Ariel Cohen – Hebrew University

Date & Time : Mar. 26, 10:15-13:30

Time	Title & Author
10:15-10:30	A. Zilberman and N. S. Kopeika, BGU **Atmospheric Effects on Laser Weaponry**
10:30-10:45	E.P. Zege, I.L. Katsev, and A.S. Prikhach, National Academy of Science of Belarus **Computer Simulation of the Imaging Ocean Lidar Performance AND Retrieving Scattering Depth Profiles From Ocean Lidar Waveforms**
10:45-11:00	P. Bruscaglioni. S. Del Bianco, S. Lolli. University of Florence. **On A Polarization Effect for Multiple Scattering by Non-Spherical Particles**
11:00-11:15	Ulrich G. Oppel, Prigarin, Wengenmayer, Uni. of Munich **Polarized CCD Lidar Returns from Broken Clouds**
11:15-11:30	A.G. Borovoi, Burnashov, Cohen A., Institute of Atmospheric Optics, Rus. Acad. Sci. **Scattering Matrices for Preferably Oriented Ice Crystal Particles**
11:30-11:45	Georg Witt, Olofson, Frioud Pettersson, Cohen A , Uni. of Stockholm, HUJI **Bi-static Lidar Sounding of Layered Clouds in the Arctic Troposphere and Stratosphere**
11:45-12:00	Break
12:00-12:10	Smadar Egert, David Peri, Israel Institute for Biological Research **Aerosol Type Discrimination Using a Multispectral UV-NIR-IR Lidar**
12:10-12:20	Arnon Karnieli, Yoram Yaniv, Jacob Herscovitz, Yoel Fixler , Remote Sens. lab. BGU , IAI Ltd MBT ,Rafael, Elbit Systems Electro-Optics Elop **VENuS : A Joint Israeli – French Earth Observation Scientific mission with High Spatial and Temporal Resolution Capabilities**
12:20-12:30	S. Fastig, Y. Ehrlich, S. Pearl, E.Naor, Y.Kraus, T. Inbar and D. Katz , Electro-Optics div Soreq, E-O **UV-IR Combined Lidar System**
12:30-12:40	M. Berger A. Greenbaum T. Sprecher, L. Topaz, A.Guberman, G. Timkovski, Elbit Systems Electro-Optics Elop, S.H. Lee , H.Y. Paik. Kari ,Korea Aerosp. Res. In. **ELOP Multi-Spectral Spaceborne Payload for the Korean Satellite KOMPSAT-2**
12:40-12:50	Yaniv Leitner, Ram Oron and Vladi Palatnik, KiloLambda Technologies, Ltd. **Detection and Three Dimensional Mapping of Fast Moving Objects**
12:50-13:00	Eyal Agassi , Ayala Ronen , Eitan Hirsch, Israel Institute for Biological Research **The Effect of Particles Size Distrib. In Dust Clouds on Their Measured Signature in the IR Spectral Band**
13:00-13:10	Dani Hak and Shlomo Ruschin TAU **Optical Remote Sensor For Gases Based on Porous Silicon Nano-Structures**

Session 11 : Electro-Optics in Industry Chairmann : Moshe Oron - Kilolambda

Date & Time : Mar. 27, 15:00-18:15

Time	Title & Author
15:00-15:25	Shimon Eckhouse – Syneron **Electro-optic technology in Israel and the Israeli Hi-tech industry, personal comments and experience**
15:25-15:50	Eyal Shekel – president, Al Cielo (**Using Optical Communication Technologies for Next Generation Fiber Optical Gyros**
15:50-16:15	Gilad Almogi, Applied Materials **Optical Technologies for Nanometer Scale Defect Inspection**
16:15-16:40	Rafi Koriat – Chairman of OptiPac Consortium & CEO, Korel Business Ltd. **Collaborative Efforts Industry and Academia can yield Significant Outcome in Advanced Electro-Optics Packaging**
16:40-16:50	Break
16:50-17:10	Jeffrey M. Gordon and Daniel Feuermann, Solar Energy & Environmental Physics Department, BGU **Ultra-Compact Optics for Flux Transfer Near the Thermodynamic Limit for Industrial Applications in Solar Concentration and Medicine**
17:10-17:30	Mordechai Gilo, Micha Reznik, Marina Sirota, Ehud GalunElbit Systems Electro-Optics Elop (member of the OptiPac consortium) **Automatic Assembly of Optical Elements**
17:30-17:50	Maxim Greenberg, Technion and Naftali Fachi, Eli Azulaj, Vitaly Bensman, Josef Raicen, Eltek Ltd (member of the OptiPac consortium) **Advances in Hybrid Electro-Optical Printed Circuit Boards**
17:50-18:10	Zinovi Brusilovsky, Roy Bar, BRUS Technologies **Electrooptical Device for Focusing Beams from a Great Number of LEDS**
18:10-18:30	Boaz Brill, Yoel Cohen, Igor Turovets, David Scheiner, Nova Measuring Instruments Ltd. **Sub-Nanometer Resolution, Full Cross-Section Characterization of 3-D Semiconductor Structures Using Polarized Reflectometry**

Session 12 : Inspection and Vision Chairmann : Silviu Reinhorn – Applied Materials

Date & Time : Mar. 26, 15:00-18:15

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15:20-15:40	Shmuel Peleg, HUJI **Video Mosaicing for Surveillance**
15:40-16:00	Orit Gefen, Chana Gabay and Nathalie Questembert-Balaban, HUJI : **Quantitative Measurements of Biological Systems in the Light of Microfluidics**
16:00-16:15	Oleg Bogillo and Uzi Efron, BGU **Study of Image Enhancement Methods for the Visually Impaired**
16:15-16:30	Boris Spektor, Alexander Normatov and Joseph Shamir, Technion **High Resolution Microscopy Based on Singular Beams**
16:30-16:50	Break
16:50-17:10	Gideon Stein, Mobileye Vision Technologies Ltd. **Computer Vision for Automotive Applications**
17:10-17:30	J. Seligson, M. Adel, P. Izikson, D. Kandel, V. Levinski, KLA-Tencor Corp **Methods and Challenges in Overlay Metrology**
17:30-17:45	H. Wijsenbeek-Caspi and Uzi Efron, BGU **Studies of Iris Recognition Algorithms**
17:45-18:00	Gadi Peleg, Avraham Englander & Shlomo Fastig, Electro-Optics Division, Soreq NRC **Contrast Mechanisms in Terahertz Imaging with Appications in Sensing and Inspection**

Poster Session

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Ran Aharoni , Lior Klein, David Vaknin and Zeev Zalevsky , BIU, IST engineering **In-Fiber Microphones for Speech Detection**	3
Ofer Limon and Zeev Zalevsky , BIU **Nano Photonic Opto-Electronic Transistor and XOR Gate on Silicon Chip**	4
Ofer Limon, Arkady Rudnitsky, Menachem Nathan, Luca Businaro, Dan Cojoc, Annamaria Gerardino and Zeev Zalevsky, BIU , TAU , CNR institute - Italy **Nano Photonic All-Optical Transistor on Silicon Chip**	5
Doron Abraham, Avraham Chelli, Yossef Shappir, Michael Rosenbluh and Zeev Zalevsky, BIU , HUJI **Semiconductor-Oxide-Semiconductor Photo-Activated Transistor**	6

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Y. David Holon Institute of Technology and U. Efron Ben Gurion University **Deep p-well pixel, Technology for Back Illuminated CMOS Image Sensor**	9A

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Asher Yahalom, EE, College of Judea&Samaria **Backward Wave Excitation and Generation of Oscillations in FELs in the Absence of Feedback - Beyond the High Gain Approximation**	19
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Galina Machavariani Soreq, Electro-Optics Division **Phase Element Can Improve Stability of Longitudinal and Transversal Laser Modes**	22

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