



יום אלקטרואופטיקה ופוטוניקה

10 שנים ליחידה להנדסת אלקטרואופטיקה

בנין אלון לטכנולוגיה עילית – אוניברסיטת בן גוריון בנגב, אולם 202, יום שני ה, 16 למאי 2011

Electrooptics and Photonics Day

10th Anniversary of the Electrooptic Engineering Unit

Alon Hi-Tech Building – Ben Gurion University, Room 202, Monday, May 16, 2011

9:00 - 9:30	Registration
	Session 1: Chair – Professor Ibrahim Abdulhalim
9:30 - 9:40	Welcome by the Dean of Engineering Professor Gabi Ben Dor
9:40 - 9:50	Professor Natan Kopeika – founder of the EOE unit
9:50 - 10:40	Keynote Speaker Prof David Payne – Southampton University "Fibers, Lasers and the Global Internet transform our lives"
10:40 - 11:00	Coffee Break (Posters/exhibitions)
	Session 2: Chair – Professor Dan Blumberg
11:00 – 11:40	Professor Steve Lipson – Technion "Overview of Super-Resolution Imaging"
11:40 - 12:10	Professor Ron Folman - BGU "Quantum Engineering and Nanophotonic Devices Fabrication at BGU"
12:10 - 13:00	Lunch break (Posters/exhibitions)
	Session 3: Chair – Professor Yosi Rosen
13:00 - 13:10	Welcome by the Rector Professor Zvi Hacoen
13:10 - 13:50	Professor Abraham Katzir – Tel Aviv University "Mid-Infrared Optical Fibers for Diagnosis, Therapy and Surgery"
13:50 - 14:20	Dr. Gabby Sarussi - ELOP "Electro-optics, Infrared and Beyond"
14:20 - 14:50	Dr. Moshe Finarov, Magenta-Tech "Nanoscale Optical Metrology by Diffractive Scatterometry"
14:50 - 15:20	Mr. Roy Zwebner "The Hi-Tech Industry is Following BGU to the Negev". Learn which international R&D companies have already leased space at BGU new Hi-Tech park.
15:20 - 15:40	Coffee Break (Posters/exhibitions)
	Session 3: Graduate students research in optics and photonics. Chairs: Mrs. Alina Karabchevsky, President of BGU-SPIE Students Chapter, Mr. Yair Revinson, President of BGU-OSA Chapter
15:40 - 16:00	Professor Yuval Golan, Head of the Ilse Katz NanoTechnology Center at BGU "Facilities and Student Opportunities at the Ilse Katz Institute for Nanoscale Science and Technology at BGU"
16:00 - 16:15	Alina Karabchevsky, Ben Gurion University "Microspot Surface Enhanced Fluorescence Biosensing using Nano Sculptured Metallic Thin Films"
16:15 - 16:30	Amir Handelman, Tel Aviv University "Blue Luminescence From Multiple Quantum Wells Self Assembled in Bio-inspired Peptide Nanofibers"
16:30 - 16:45	Ori Katz, Weizmann Institute "Controlling Ultrashort Pulses in Scattering Media"
16:45 - 17:00	Assaf Shaham, Hebrew University "Realizing Controllable Depolarization in Photonic Quantum-Information Channel"
17:00 - 17:15	Yair Rivenson, Ben Gurion University "Compressive Fresnel holography for reconstruction of occluded objects"
17:15 - 17:30	Michael Ney, Ben Gurion University "Modeling of Reflectometric and Ellipsometric Spectra from the Skin in the THz and Sub-mm Waves Region"
17:30 - 17:45	Hezi Josef, Ben Gurion University "Low Cost Plasma Terahertz Heterodyne Image Detection"
17:45 - 18:00	Ariel Smoliar, Medigus "Miniaturization of Video Cameras for Medical Applications"

Posters Session

Presenter name	Title
Avner Safrani, BGU	"Ultra High Resolution Narrowband Full Field Optical Coherence Tomography".
Atef Shalabney, BGU	"Sensitivity of Surface Plasmon Resonance Sensors Based on Metallic Columnar Thin Films".
Alex Freilikhman, BGU	"Unguided Optical Computer Bus - Material Optimization"
Eran Shalom, BGU	"Respiration induced changes in Photoplethysmographic signal".
Miri Gelbaor, BGU	"Photoinduced permanent alignment of liquid crystal on nanostructured Chalcogenide thin film".
Boris Shulga, BGU	"Off-axis pumping of an active air-clad photonic crystal fiber".
Yair Rivenson, BGU	"Superresolved perspectives from a single hologram".
Gil Porat, TAU	"Cascaded Frequency Conversion Through a Nearly Dark Intermediate Frequency".
Alina Karabchevsky, BGU	"Endocrine Disruptor Nanolayer Detection using Surface Plasmon Resonance Imaging".
Effie Plosker, BGU	"Simultaneous Remote Measurement of 5DF in Robot Applications"
Etai Rosenkrantz, BGU	"Possible Solutions for Modulating Retro Reflectors"
Dima Bykhovsky, BGU	"Challenges in Optimization of Unguided MIMO Optical Computer Bus"
Ronen Rahmani, BGU	"Effect of Air Turbulence on the Performance of Optical Computer Backplane"
Tanya Hutter, Cambridge	"Optical fiber-tip probes for in-situ surface-enhanced Raman measurements of cells".
Sergei Evladov, BGU	"Compressive Imaging with Linear Sensor"
Doron Aloni, BGU	"3D Photon Counting Integral Imaging TV-PMLEM"



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