

Morning Session 10:00-12:00

Opening remarks: Mr. Shlomo Glazer

ICAP – Israel Center for advanced Photonics | Chairman: Dr. Yoav Sintov

10:00-10:05	Introduction- Dr. Yoav Sintov and Mr. Eyal Shekel.
10:05-10:25	Extending Photonic boundaries, for your application- Introduction. Yaron Magal, Israel Center of Advanced Photonics (ICAP).
10:25-10:45	New fiber core material approaches for the spectral enhancement of fiber lasers. Matthias Jaeger, Leibniz-IPHT (FSI).
10:45-11:05	Gallium Nitride (GaN) Selective Area Growth Using Molecular Beam Epitaxy (MBE). Noam Sikron, Soreq NRC/ICAP.
11:05-11:25	Whispering Gallery Modes (WGM) resonators and their applications- A new frontier in optical sensing. Eyal Yacoby, Soreq NRC.
11:25-11:45	Developing pump module diode laser based on asymmetric layer structure. Avner Neubauer, Civan Ltd.

12:00-13:00 | Sponsored break: FISBA | Dr. Martin Forrer, Senior Vice President of Business Development

Noon Session 13:00-15:00

Enablers (components) | Chairman: Dr. Yoram Karni

Computational Photography | Chairman: Prof. David Mendlovic

13:05-13:25	5 μm 5 MP MWIR sensor. Dr. Lior Shkedy ,SCD.	13:05-13:25	Usage of computational photonics for high-resolution imaging inside and behind biological scattering medium. Abhijit Sanjeev, Vismay Trivedi and Zeev Zalevsky, Bar Ilan University.
13:25-13:45	LWIR technology for remote temperature sensors. Yotam Ater, Samsung & Yakov Rozin, Tower.	13:25-13:45	Metasurfaces and metalenses for multifunctional imaging - opportunities and limitations. Prof. Uriel Levy, Trieye Ltd.
13:45-14:05	Perovskite based lasers. Prof. Jacob Scheuer, Tel Aviv University.	13:45-14:05	Autonomous mobile cameras Dr. Gal Shabtay and Dr. Michael Scherer, Corephotonics / Samsung .
14:05-14:25	Optoelectronic chromatic dispersion in a photodiode for grating-less optical spectroscopy. Prof. Shmuel Sternklar, Ariel University.	14:05-14:25	Imaging with scattered light: Exploiting speckle to see deeper and sharper. Prof. Ori Katz, The Hebrew University of Jerusalem.
14:25-14:45	MBE growth challenges and electro-optical performance of Ga-free Type-II Superlattice MWIR detector. Mr. Noam Snapi, SCD.	14:25-14:45	From the Theory to the Practice of Single Image Dehazing. Prof. Shai Avidan, Tel Aviv University.

Evening Session 15:30-17:30

Metrology | Chairman: Dr. Ido Almog

Environment and Sustainability | Chairman: Prof. Yoav Yair

15:35-15:55	Fueling AI era compute demands by driving up semiconductor yield, enabled by fast accurate eBeam patterning control. Mr. Ofer Adan, Applied Materials.	15:35-15:55	Satellite monitoring of air pollution effects on clouds, on precipitation and global warming. Daniel Rosenfeld, The Hebrew University.
15:55-16:15	Null Ellipsometer with Lock-in Detection as a tool for material characterization. Prof. Igor Lubomirsky, Weizmann Inst. of Science.	15:55-16:15	Lightning detection from earth orbit and the CIE3L mission. Eric Defer, U. of Toulouse, Colin Price Tel-Aviv University and Yoav Yair, IDC Herzliya.
16:15-16:35	Optical metrology innovations for new horizons in semiconductor metrology. Dr. Elad Schleifer, Novami.	16:15-16:35	Monitoring of air pollution in the Eastern Mediterranean using passive and active remote sensing. Haifa and Tel-Aviv as case studies – Alexandra Chudnovsky, Tel-Aviv University
16:35-16:55	X-ray solutions for advanced shape metrology. Dr. Adam Ginsburg, Bruker.	16:35-16:55	New insights into the vertical structure of the planetary boundary layer and aerosols employing ceilometers and auxiliary measurements over Israel. Leenes Uzan, Smadar Eger and Pinhas Alpert, Tel-Aviv University
16:55-17:15	Atomic Force Microscopy for Advanced Semiconductor Nodes. Dr. Cornel Bozdog, Near Field Instruments.	16:55-17:15	Lighting revolution and its environmental and health consequences – Inna Nissenbaum