

Advanced Communications Center Symposium on:
Photonics in Communications

Organized by Prof. Mark Shtaif and Prof. Moshe Tur

Monday, November 21st, 2011,

Rosenblatt Auditorium, School of Electrical Engineering, Tel Aviv University

09:20-09:50	Registration & coffee
SESSION I	
09:50-10:00	Welcome notes Prof. Ehud Heyman • Dean, Faculty of Engineering, Tel Aviv University
10:00-11:00	Dr. Andrew Chraplyvy • Bell Labs, Alcatel-Lucent Keynote: Combating the coming capacity crunch
11:00-11:30	Prof. Dan Sadot • Ben Gurion University, MultiPHY Advanced modulation formats and digital signal processing for metropolitan fiber optics networks
11:30-11:50	Coffee Break
11:50-12:20	Dr. Eyal Lichtmann • ECI Telecom Multi bit-rate networks – design challenge
12:20-12:50	Prof. Uriel Levy • Hebrew University Silicon Plasmonics
12:50-14:00	Lunch on site
SESSION II	
14:00-15:00	Prof. Prem Kumar • Northwestern University Keynote: Engineering quantum communications for the telecom band
15:00-15:30	Prof. Mark Shtaif • Tel Aviv University Distribution of polarization entanglement in fiber-based systems
15:30-15:50	Coffee Break & Refreshments
15:50-16:50	Prof. Yaron Silberberg • Weizmann Institute Keynote: An easy road to high NOON: the photonic Schrödinger cat
16:50-17:20	Prof. David Gershoni • Technion Writing, reading and controlling the state of single matter-spins using a single, picosecond-long, laser pulse
17:20 -	Wine and Cheese Reception

Symposium is free of charge, but advance registration is required at acc@eng.tau.ac.il
 Please indicate the session you plan to attend: Session I / Session II / both