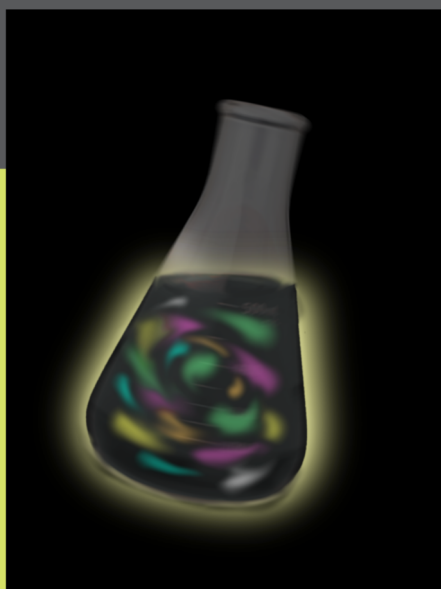


TEL AVIV SYMPOSIUM IN CHEMICAL PHYSICS 2014

NEXT GENERATION PHOTOCHEMISTRY



Thursday, JUNE 12, 2014, 9:00-18:00
TEL AVIV UNIVERSITY
ZEEVI AUDITORIUM,
DIASPORA MUSEUM
(BEIT HATFUTSOT)

- 9:00-9:20 Gathering and Coffee
- 9:20-9:30 Opening Remarks
- 9:30-10:00 **Sharly Fleischer**, Tel Aviv University
Intense Terahertz fields - a new handle over molecular rotations
- 10:00-10:30 **Tal Schwartz**, Tel Aviv University
Nothing can do something: Manipulating photochemistry by tailoring the electromagnetic vacuum
- 10:30-11:15 **Dwayne R. J. Miller**, University of Hamburg
Mapping Molecular Motions with Ultrabright Electrons: The Chemists' Gedanken Experiment Enters the Lab Frame
- 11:15-11:45 Coffee Break
- 11:45-12:30 **The Joshua Jortner Distinguished Lecture in Chemistry:**
Martin Moskovits, University of California, Santa Barbara
Solar devices based on plasmonic decay
- 12:30-13:00 **Doron Shabat**, Tel Aviv University
Quinone-methide Species - a gateway to functional molecular systems: From self-immolative dendrimers to fluorescent dyes
- 13:00-14:30 Lunch
- 14:30-15:00 **Sandy Ruhman**, Hebrew University of Jerusalem
Impulsive Raman probing of reactive excited states - a 20 year quest
- 15:00-15:30 **Yaron Paz**, Technion, Israel Institute of Technology
Next generation photocatalysis
- 15:30-16:15 **James M. Tour**, Rice University
Roll-to-roll photochemical synthesis of graphene devices and synthesis and tracking of light-actuated single molecule nanomachines
- 16:15-16:45 Coffee Break
- 16:45-17:30 **Mike Heilemann**, Goethe University
From single-molecule photoswitching to super-resolution microscopy of cellular structures
- 17:30-18:00 **Yuval Ebenstein**, Tel Aviv University
Physiology by Photo-activation