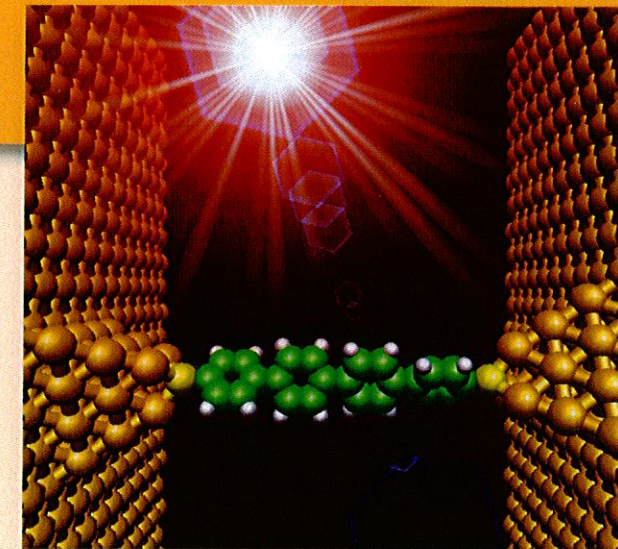


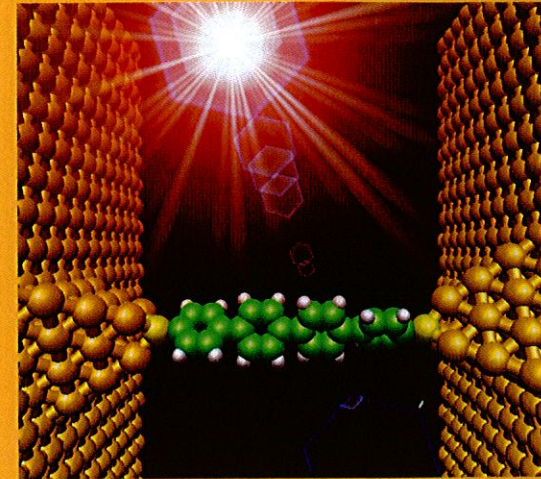
**TEL AVIV SYMPOSIUM
IN CHEMICAL PHYSICS**

**FOCUS ON ELECTRONIC TRANSPORT
IN MOLECULAR JUNCTIONS**



Monday, JUNE 14, 2010
09:00-18:00
TEL AVIV UNIVERSITY
MELAMED AUDITORIUM,
SHENKAR BUILDING

TEL AVIV SYMPOSIUM IN CHEMICAL PHYSICS



For further information:

odedhod@tau.ac.il, selzer@post.tau.ac.il

- 8:45-9:00 Gathering and coffee
- 9:00-9:10 Opening remarks
- 9:15-9:45 **Jose Ignacio Pascual**, Freie Universität Berlin
Electron-phonon coupling phenomena in electron transport through a molecule resolved using STM
- 9:50-10:20 **Abraham Nitzan**, Tel Aviv University
Heating and Cooling in molecular conduction
- 10:25-10:55 **Ori Cheshnovsky**, Tel Aviv University
Detection of heating in current carrying molecular junctions by Raman spectroscopy
- 11:00-11:25 Coffee break
- 11:25-11:55 **Uri Peskin**, Technion – Israel Institute of Technology
Bias-Controlled Mode-Selective Excitations in Molecular Junctions
- 12:00-12:30 **Ernesto Joselevich**, Weizmann Institute of Science
How do different nanotubes twist?
- 12:35-13:05 **Roi Baer**, Hebrew University of Jerusalem
Coulomb blockade in molecular junctions
- 13:10-14:30 Lunch @ "Gan Hadekalim"
- 14:30-15:00 **Juan carlos Cuevas**, Universidad Autónoma de Madrid
Photon-assisted transport in atomic and molecular junctions
- 15:05-15:35 **David Cahen**, Weizmann Institute of Science
Proteins as Solid State Electronic Conductors
- 15:40-16:10 **Yigal Meir**, Ben Gurion University
Electronic correlation effects in transport through quantum point contacts
- 16:15-16:40 Coffee break
- 16:40-17:10 **Oren Tal**, Weizmann Institute of Science
Highly conductive single-molecule junctions
- 17:15-17:45 **Eran Rabani**, Tel Aviv University
Real-Time Path Integral Approach for Nonequilibrium Many-Body Quantum Systems