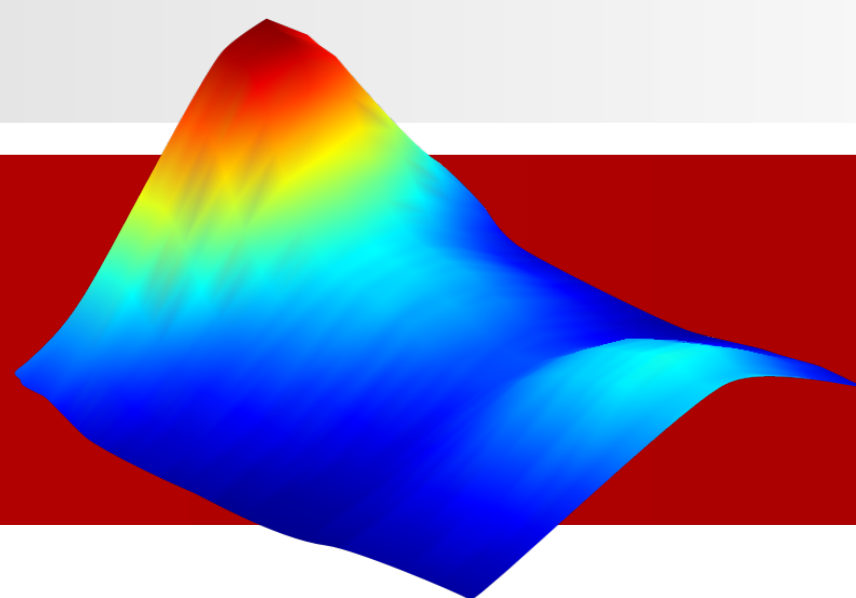


Dwek School on Nanoplasmonics



9-13 December 2012

Weizmann Institute of Science, Rehovot, Israel

Sunday, December 9, 2012

16:00-17:00 **Reception and Registration**

17:00-18:00 **Martin Moskovits**,
University of California, Santa Barbara
Thirty-five years of SERS

Monday, December 10, 2012

09:30-10:30 **Javier Aizpurua**,
Donostia International Physics Center, San Sebastián
Optical properties of metals

10:30-11:00 *Coffee Break*

11:00-11:50 **Meir Orenstein**,
Technion Institute of Technology
From polaritons to localized surface plasmons

12:00-12:50 **Jochen Feldmann**,
Ludwig-Maximilians University, Munich
Focusing light on gold nanoparticles

12:50-14:30 *Lunch*

14:30-15:20 **Hongxing Xu**,
Institute of Physics, Beijing
Fundamentals of single molecule surface enhanced spectroscopy

15:30-16:20 **Javier Aizpurua**,
Donostia International Physics Center, San Sebastián
Nanoantennas

16:20-16:50 *Coffee Break*

16:50-17:40 **Jochen Feldmann**,
Ludwig-Maximilians University, Munich
Hybrid nanoparticle conjugates

18:30-23:00 **Trip to Tel-Aviv**

Tuesday, December 11, 2012

09:30-10:30 **Javier García de Abajo**,
Institute of Optics, Madrid
Electron Energy-Loss Spectroscopy of Surface Plasmons

10:30-11:00 *Coffee Break*

11:00-11:50 **Javier Aizpurua**,
Donostia International Physics Center, San Sebastián
Coupling between plasmonic resonances

12:00-12:50 **David Bergman**,
School of Physics and Astronomy, Tel-Aviv University
SPASER

12:50-14:30 *Lunch*

14:30-15:20 **Christoph Lienau**,
Universität Oldenburg
Oscillations between excitons and plasmons in hybrid nanostructures

15:30-16:20 **Student talks**

15:30-15:45 **Michal Vadai**,
School of Chemistry, Tel-Aviv University
Plasmons controlled single molecule junctions

15:45-16:00 **Ben M. Maoz**,
School of Chemistry, Tel-Aviv University
Amplification of chiroptical activity of chiral molecules by its induction on surface plasmons

16:00-16:15 **Eran Grinvald**,
Faculty of Physics, Weizmann Institute of Science
Battle of the resonances (surface plasmons Vs. guided modes)

16:20-16:50 *Coffee Break*

16:50-17:40 **Martin Moskovits**,
University of California, Santa Barbara
Putting plasmons to work: converting plasmonic energy to charge carrier

18:00-20:30 **Poster session + Dinner**

Wednesday, December 12, 2012

09:10- 09:50 **Dan Oron**,
Faculty of Physics, Weizmann Institute of Science
Optics for photovoltaic

09:50-10:30 **Christoph Lienau**,
Universität Oldenburg
Coherent charge transfer in artificial photovoltaic devices

10:30-11:00 *Coffee Break*

11:00-11:40 **Meir Orenstein**,
Technion Institute of Technology
Plasmonic Photovoltaics

11:40-12:20 **Franz-Josef Haug**,
Ecole Polytechnique Federale de Lausanne (EPFL)
Light trapping in thin silicon solar cells

12:20-13:00 *Lunch*

13:00- 23:00 **Trip to Jerusalem**

Thursday, December 13, 2012

(Ebner Auditorium)

09:30-10:30 **Javier García de Abajo**,
Institute of Optics, Madrid
Graphene Plasmonics

10:30-11:00 *Coffee Break*

11:00-12:00 **Student talks**

11:00-11:15 **Moshik Cohen**,
Electrical and computer engineering, Ben-Gurion University
Towards Integrated Nanoplasmonic Logic Circuitry

11:15-11:30 **Itai Epstein**,
School of Electrical Engineering, Tel-Aviv University
Plasmon enhanced Bragg diffraction

11:30-11:45 **Michal Eitan Wiener**,
School of Electrical Engineering, Tel-Aviv University
Nano-particle trapping by optically induced Dielectrophoresis enhanced by nano- antennas

11:45-12:00 **Kaushal Kumar**,
Department of Applied Physics ISM, Dhanbad, India
Detection of virus through Surface Enhanced Raman Spectroscopy

12:00-12:50 **Hongxing Xu**,
Institute of Physics, Beijing
Plasmonic Circuits

12:50-14:30 *Lunch*

14:30-15:10 **Vasily Temnov**,
Institut des Molécules et Matériaux, du Mans, France
Ultrafast acousto-magneto-plasmonics

15:10-16:00 **Ulf Leonhardt**,
Faculty of Physics, Weizmann Institute of Science
Perfect Imaging

16:00-16:15 **Closing Remarks**



www.weizmann.ac.il/conferences/plasmon2012

