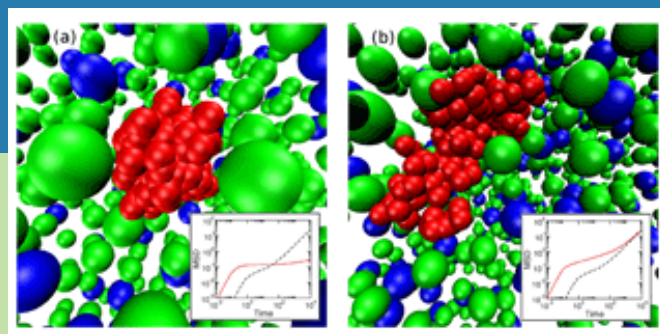


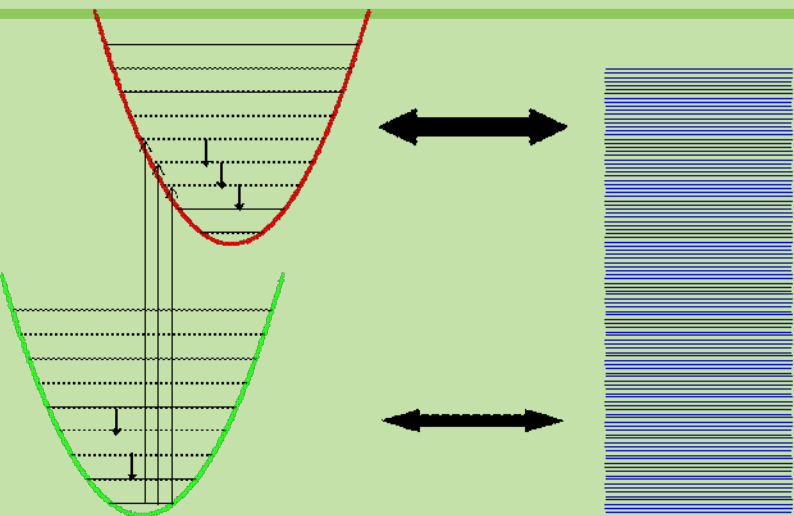
TEL AVIV SYMPOSIUM IN CHEMICAL PHYSICS 2012

QUANTUM SCIENCE: FROM PHYSICS TO BIOLOGY



Monday, MAY 7, 2012
TEL AVIV UNIVERSITY
MELAMED AUDITORIUM,
SHENKAR BUILDING

TEL AVIV SYMPOSIUM IN CHEMICAL PHYSICS



For further information:

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- 9:00 - 9:25 Gathering
- 9:25 - 9:30 Opening Remarks
- 9:30 - 10:10 **Amir Yacoby**, Harvard University
Nanoscale imaging of individual spins using color centers in diamond
- 10:10 - 10:50 **Uri Banin**, Hebrew University of Jerusalem
Heavily doped semiconductor nanocrystal quantum dots
- 10:50 - 11:10 Coffee Break
- 11:10 - 11:50 **Adam Cohen**, Harvard University
(American Physical Society sponsored speaker)
Spectroscopy in sculpted fields
- 11:50 - 12:30 **Gil Markovich**, Tel Aviv University
Chiroptical effects in nanoparticle – chiral molecule hybrids
- 12:30 - 14:00 Lunch Break
- 14:00 - 14:40 **Ori Cheshnovsky**, Tel Aviv University
Taunting nanoparticles: particle diffraction and band gap fluctuations
- 14:40 - 15:20 **Danny Porath**, Hebrew University of Jerusalem
Bio-templated systems for nanoelectronics
- 15:20 - 15:40 Coffee Break
- 15:40 - 16:20 **Theodore Goodson III**, University of Michigan
Quantum coherence in organic materials
- 16:20 - 17:00 **Barak Dayan**, Weizmann Institute of Science
Quantum interference and caustics in ultra cold atoms