
Poster Program – Session 2, Wednesday, June 10, 20:00-22:00
Prizes for the best 3 posters will be sponsored by Nature Nanotechnology

Board no.

1. **Exciton Transport in Dynamically Disordered Organic Crystals**
Juan Arago
University of Warwick, UK
2. **Using Stochastic DFT to Explore the Structure of Molecules**
Eitam Arnon
The Hebrew University of Jerusalem, Israel
3. **Adsorption of Transition-Metal Porphyrin Molecules on Magnetic and Non-Magnetic Substrates**
Ido Azuri
Weizmann Institute of Science, Israel
4. **Effects of Electromagnetic Coupling on Conductance Switching of a Gated Tunnel Junction**
Adva Baratz
Israel Institute for Biological Research (IIBR), Israel
5. **On the Illusory Connection Between Conjugation and Destructive Quantum Interference**
Anders Borges
University of Copenhagen, Denmark
6. **Quasidiabatization Methods for Spectroscopy and Charge Transfer**
Robert J. Cave
Harvey Mudd College, USA
7. **Calculating the 'Exchange' Energy Using Metropolis Algorithm**
Yael Cytter
The Hebrew University of Jerusalem, Israel
8. **Stochastic Basis-Set Approach to Density Functional Theory**
Marcel David Fabian, Ben Shpiro
The Hebrew University of Jerusalem, Israel
9. **Photoactive Molecular Junctions at ITO/ Polymer Interfaces**
Yulia Furmansky
Ben Gurion University of the Negev, Israel
10. **Energy Level Hybridization at the Si – Molecule Interface: The Role of Binding Group**
Rachel Garrick
Weizmann Institute of Science, Israel

11. **A Fast Operation of Nanometer-Scale Metallic Memristors: Highly Transparent Conductance Channels in Silver Sulfide Devices**
András Halbritter
Budapest University of Technology and Economics, Hungary
12. **Two-Dimensional Electronic Spectra of Marcus Electron Transfer**
Thorsten Hansen
University of Copenhagen, Denmark
13. **Gate Control of Artificial Single-Molecule Electric Machinery**
Liang-Yan Hsu
Princeton University, USA
14. **Length-Independent Transport Rates in Biomolecules by Quantum Mechanical Unfurling**
Michael Iv
Technion - Israel Institute of Technology, Israel
15. **Charge and Spin Transfer Processes in Hybrid Organic –Inorganic Interfaces**
Nirit Kantor-Uriel
Weizmann Institute of Science, Israel
16. **Quantum Thermodynamics of Heat Transport in Strong Coupling by the Stochastic Surrogate Hamiltonian**
Ronnie Kosloff
The Hebrew University of Jerusalem, Israel
17. **Eliminating the Fractional Dissociation Problem in Density Functional Theory**
Eli Kraisler
Weizmann Institute of Science, Israel
18. **Modeling Ultrafast Charge Separation in Organic Photovoltaic Materials**
Myeong H. Lee
University of Warwick, UK
19. **Beyond the Lorentzian Model: Energy-Dependent Resonance Broadening in Molecular Junctions**
Zhenfei Liu
Lawrence Berkeley National Laboratory, USA
20. **On the Way to a Unimolecular Amplifier**
Robert Melville Metzger
University of Alabama, USA
21. **Chirality Induced Spin Dependent Electron Transport through Proteins and Peptides**
Debabrata Mishra
Weizmann Institute of Science, Israel

22. **Resolving Temperature-Independent Electron Transport across 6 nm Protein Monolayer: Effect of Conjugated Cofactor**
Sabyasachi Mukhopadhyay
Weizmann Institute of Science, Israel
23. **Thermo-Voltage of Nano-Thermocouples**
Ayelet Ofarim
University of Konstanz, Germany
24. **Revealing the Evolution of Spin Channels in Magnetoresistive Atomic and Molecular Junctions**
Daniel Petukhin
Weizmann Institute of Science, Israel
25. **High-Yield Fabrication of nm-size Gaps in Monolayer CVD Graphene**
Laszlo Posa
Budapest University of Technology and Economics, Hungary
26. **Conjugated Molecules as Amplifiers of Anisotropic Magneto-Resistance in Molecular Junctions**
David Rakhmilevich
Weizmann Institute of Science, Israel
27. **Electronic Structure of Homopeptides and its Relation to Transport**
Sivan Refaely-Abramson
Weizmann Institute of Science, Israel
28. **Orbital Origin of Conductance Oscillations in Atomic Chains**
Soumyajit Sarkar
Weizmann Institute of Science, Israel
29. **Local Heating in Atomic Gold Junctions at Cryogenic Temperature**
Ofir Shein
Weizmann Institute of Science, Israel
30. **A Multi-Scale Approach to the Electronic Structure of Doped Semiconductor Surfaces**
Ofer Sinai
Weizmann Institute of Science, Israel
31. **Dark Photo-Switching Induces Coulomb Blockade Diamond Collapse**
Stine Tetzschner Olsen
University of Copenhagen, Denmark
32. **Spin-Filtering in Nickel Oxide Atomic Junctions**
Ran Vardimon
Weizmann Institute of Science, Israel

33. **Evolution of Polaron-Assisted Transport with Slow Organization in Few-Molecules Porphyrin Clusters**
Ayelet Vilan
Weizmann Institute of Science, Israel

34. **Conductance Saturation in Highly Conductive Molecular Junctions**
Tamar Yelin
Weizmann Institute of Science, Israel

35. **Molecule -Lead Coupling at Molecular Junctions: A Site to State Perspective**
Tamar Zelovich
Tel Aviv University, Israel