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

   **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