## **14.1.2018**

17:00 - Registration is open and Get Together

## **15.1.2018**

09:30 - 10:00 - Morning Coffee

10:00 - Opening Session

10:00 – 10:10 Greeting – Michael Gozin + Brian Rosen

**10:10 - 10:20** VP R&D

#### 10:20 - 12:00 - BATTERIES PART 1

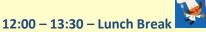
10:20 – 10:40 - Doron Aurbach, Bar Ilan University, *The Frontier of Advanced Rechargeable Batteries: Reality VS Illusions* 

10:40 – 11:00 - Atsuo Yamada, University of Tokyo, *Recent Progress of Electrode and Electrolyte Research for Battery Applications* 

11:00 – 11:20 - Yair Ein-Eli, Technion, Advanced Materials for Li-ion Batteries

11:20 – 11:40 - Sagar Mitra, Indian Institute of Technology Bombay, *Developing Sodium-ion Battery to Address the Future Energy Storage Applications* 

11:40 – 12:00 – Kisuk Kang, Seoul National University, *New Electrode Chemistry Via Nanocomposites for Advanced Rechargeable Batteries* 



# 13:30-15:10 - BATTERIES PART 2

13:30 – 13:50 - Emanuel Peled, Tel Aviv University, *High Capacity Silicon Nano Structure Anode for Electric Mobility* 

13:50 – 14:10 - Jang Wook Choi, Seoul National University, *Supramolecular Chemistries for Advanced Rechargeable Batteries* 

14:10 – 14:30 - Yang-Kook Sun, Hanyang University, *High-Energy Cathode Material for Next-Generation Li-ion Batteries* 

14:30 - 14:50 - TBC

14:50 – 15:10 - Diana Golodnitsky, Tel Aviv University, *Towards Smart 3D Printable Batteries* 



15:10 - 15:30 - Coffee Break

## 15:30-17:10 - FUEL CELLS

15:30 – 15:50 - Scott A.Barnett, Northwestern University, *The Effect of Catalyst Exsolution on the Electrochemical Properties of Solid Oxide Fuel Cell Anodes* 

15:50 – 16:10 - Lior Elbaz, Bar-llan University, **Methodological Approach for the Study of Catalyst Durability in Alkaline Fuel Cells** 

16:10 – 16:30 - John Irvine, University St. Andrews, *Emergent Materials, a New Dimension in Energy Materials* 

16:30 – 16:50 - Fikile Brushett, MIT, *Towards Deterministic Eelectrode Design: Elucidating the Role of Surface Chemistry and Microstructure on Flow Battery Performance* 

16:50 – 17:10 Dario Dekel, Technion, *Anion-Exchange Membrane Fuel Cells – a Promising Alternative Energy Conversion Technology* 

17:10 - 17:30 - Coffee Break

17:30 - 19:30 - Tour at the Steinhardt Museum of Natural History

## **16.1.2018**



09:30 - 10:00 - Morning Coffee

10:00 – 10:10 Greeting –Yael Hanein 10:10 - 10:20 Greeting - Yossi Rosenwaks

#### **10:20 – 12:00 SYNTHETIC FUELS**

10:20 – 10:40 - Matthew Kanan, Stanford, Nanoscience for Carbon Dioxide Utilization

10:40 – 11:00 - Paul Kenis, University of Illinois at Urbana-Champaign, *Electrochemical* **Conversion of Carbon Dioxide to Value Added Intermediates** 

11:00 – 11:20 - Kimberly A. Gray, Northwestern University, *The Role of Photo- and Thermal* Catalytic Materials in the Conversion of CO2 to Useful Products

11:20 – 11:40 - Rajiv Dusane, Indian Institute of Technology Bombay (IITB), Silicon Nanowires for Energy Generation and Storage

11:40 – 12:00 – Yujing Li, Beijing Institute of Technology (BIT), Rational Design of High-Performance Electrocatalysts for Proton Exchange Membrane Fuel Cells



## 13:30 – 14:50 THEORETICAL AND COMPUTATIONAL METHODS

13:30 – 13:50 – James Rondinelli, Northwestern University, TBC

13:50-14:10 - Ilya Grinberg, Bar Ilan University, TBC

14:10 – 14:30 - Chris Wolverton, Northwestern University, *Materials Design of High-Energy* Cation/Anion Redox in Li-rich Cathode Materials: Li5FeO4, Li4Mn2O5, and Li2MO3

14:30-14:50 - Amir Natan, Tel Aviv University, Quantum and Classical Simulations for Metal-**Air Batteries** 



14:50 - 15:10 - Coffee Brea

#### 15:10 – 16:10 JOINT RESEARCH AND INDUSTRY

15:10 – 15:30 - Lea Pais, Research Authority, TBC



15:30 – 15:50 - Gideon Friedman, Chief Scientist of Ministry of Water, Energy and Infrastructures, TBC

15:50 – 16:10 - Irvin Gutelmacher PO CELLTech, TBC

16:10 – 17:00 - Poster Flash – Up to 2 min. for each poster presentation

17:00 - Poster Session

## **17.1.2018**

**Day Tour to Jerusalem**