

## Technion - Israel

### Day 1 - Monday December 7

| Time (ISR)  | Speaker   | Topic/Title  |
|-------------|---|--|
| 10:00-10:15 | Naomi Bitansky (Head, Technion Visitors Center, Israel) | Technion Visitor Center introduction   |
| 10:15-11:00 | Ohad Yaniv (t-hub, Technion, Israel)                    | From dream to reality - how to open a start-up   |
| 11:00-11:50 | Jan Van herle - organizer (EPFL, Switzerland)           | Different mobility technologies: a materials perspective   |
| 11:50-12:00 |   | <b>Coffee break</b>  |
| 12:00-13:00 | Brian Rosen (Tel-Aviv University, Israel)               | Carbide catalyst supports for Fuel Cells   |
| 13:00-14:00 |   | <b>Lunch</b>   |
| 14:00-15:00 | Till Bachmann (EIFER-Institute, Germany)                | External costs - rationale, ways to their quantification and link to Life Cycle Assessment (LCA) |
| 15:00-16:00 | Lior Elbaz (Bar Ilan University, Israel)                | The design of PGM-free ORR catalysts for Fuel Cell, from molecular to MNCs and in between        |

### Day 2 - Tuesday December 8

| Time (ISR)  | Speaker                                   | Topic/Title   |
|-------------|---|---|
| 10:00-11:00 | Tanja Kallio - organizer (Aalto, Finland) | Ultra-low Pt electrocatalyst for HER in PEM electrolyzers: dream or reality?                        |
| 11:00-11:50 | Alex Schechter (Ariel University, Israel) | New mechanistic and materials perspectives for oxygen reduction reaction for Fuel Cell applications |
| 11:50-12:00 |   | <b>Coffee break</b>   |
| 12:00-13:00 | David Eisenberg (Technion, Israel)        | Designing hierarchical porosity in carbon electrodes  |
| 13:00-14:00 |   | <b>Lunch</b>  |
| 14:00-14:30 | Emily Soh (Technion, Israel)              | Public values in the socio-technical construction of autonomous vehicle futures: the case of Israel |
| 14:30-15:00 | Arunchander Asokan (Technion, Israel)     | Designing catalyst material for the effect of hydrogen utilization and its production               |
| 15:00-16:00 | Miles Page (PO-Celltech, Israel)          | Overview of anion exchange membrane Fuel Cell (AEMFC) commercialization                             |

### Day 3 - Wednesday December 9

| Time (ISR)  | Speaker  | Topic/Title   |
|-------------|--|---|
| 10:00-10:45 | Matthew Suss (Technion, Israel)  | Fuel Cells for combined energy conversion and water desalination, and flow batteries for renewable energy storage |
| 10:45-11:30 | Neta Shomrat, Shikma Litmanovitz, Shulamit Hirsh (T3-Technion, Israel) | Patents & start-ups   |
| 11:30-11:40 |  | <b>Coffee break</b>   |
| 11:40-12:40 | Ramesh Kumar Singh (Technion, Israel)                                  | Challenges in electric vehicles using Fuel Cell technology: future prospects                                      |
| 12:40-14:00 |  | <b>Lunch</b>  |
| 14:00-15:00 | Remo Schäppi (ETH Zurich, Switzerland)                                 | Thermochemical fuel production from sunlight and air  |
| 15:00-15:40 | Dario Dekel - organizer (Technion, Israel)                             | AEMFC: From napkin's ideas to start-up  |
| 15:40-16:00 | Dario Dekel, Jan Van herle and Tanja Kallio (project organizers)       | Closing the seminar   |