Wednesday 10 November 2010

Every presentation will last 30 minutes, 25 minutes for the presentation and 5 minutes of questions.

09:00 – 09:30 Registration

09:30 – 10:00 Opening Chair Session – Prof. Eric Seboun, Scientific Attaché, Embassy of France

H.E. Prof. Daniel Hershkowitz, Minister of Science and Technology, Israel

H.E. Christophe Bigot, Ambassador of France in Israel

Prof. David Cahen, Chairman of Steering Committee, the Weizmann Institute of Science, Rehovot

First Session – Biofuels –I-; Chair: Dr. Yedidya Gafni, Volcani Center, Bet Dagan-

10:00 – 10:30 Transgenically domesticating marine micro-algae for biofuel and feed uses: No competition with crops for land and water

Dr. Jonathan Gressel, TransAlgae Ltd, Rehovot

10:30 – 11:00 Cell Factories, New perspectives for biotechnologies

Dr. Mireille Brushi, CNRS Marseille

11:00 – 11:30 Novel enzyme paradigms for biomass conversion to biofuels

Dr. Edward Bayer, Biological Chemistry Dept., the Weizmann Institute of Science, Rehovot

11:30 – 12:00 Advanced technologies for Biomass & Wastes – to – energy production

Dr. Gerard Antonini, ANR, Universite de Technologie de Compiegne,
12:00 – 13:30  
Lunch hosted by the Minister of Science, H.E. Prof. Daniel Hershkowitz, Israel

**Second Session - Photovoltaics – I**; Chair: Dr. Eugene Katz, Ben Gurion University of the Negev

13:30 - 14:00  
*Built-in Quantum Dot Antennas in Dye-Sensitized Solar Cells*  
Dr. Arie Zaban, Bar-Ilan Institute of Nanotechnology and Advanced Materials, Ramat-Gan

14:00 – 14:30  
*State of the art and challenges for Chalcogenide thin film solar cells*  
Dr. Daniel Lincot, CNRS/ENSCP

14:30 – 15:00  
*Extremely Thin Absorber (ETA) nanoporous solar cells*  
Dr. Gary Hodes, Materials and Interfaces Dept., the Weizmann Institute of Science, Rehovot

15:00 -15:30  
Coffee break

**Third Session – Energy Storage – I**; Chair: Dr. Micha Asscher, Hebrew University of Jerusalem

15:30 – 16:00  
*New Materials for Li-ion batteries from synthesis to safety issues.*  
Dr. Mathieu Morcrette, Director LRCS

16:00 – 16:30  
*Solid oxide fuel cells research using impedance spectroscopy*  
Dr. Yoed Tsur, Chemical Engineering Faculty, Technion, Haifa

16:30 – 17:00  
*Energy storage, a way to secure renewable energies in the grid*  
Dr. Pierre Odru, Storage, IFP, Paris

19:30  
Gala Dinner (with invitation)  
M.K. Meir Sheetrit, Chairman, Science and Technology Committee, Knesset, Israel  
Dr François Moisan, Scientific Director ADEME, France – The French national plan for renewable energies
Thursday 11 November 2010

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### Fourth Session – Photovoltaics –II-; Chair: Dr. Yossi Rosenwaks, Tel-Aviv University

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<tr>
<td>09:30 – 10:00</td>
<td>Silicon Thin Solar Cells: Potential &amp; Challenges&quot;</td>
<td>Dr. Abdelilah Slaoui, CNRS/INESS</td>
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<td>10:00 – 10:30</td>
<td>Maximizing the Silicon Solar Cell Energy Production for the Next Generation</td>
<td>Dr. Naftali Eisenberg, b-Solar and Jerusalem College of Technology, Jerusalem</td>
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<tr>
<td>10:30 – 11:00</td>
<td>What materials and technologies for several hundred GWp PV capacities</td>
<td>Dr. Jean-Pierre Joly, Director of INES</td>
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<td>11:00 – 11:30</td>
<td>Coffee break</td>
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### Fifth Session - Concentrated Solar Power; Chair: Dr. Hanna Helena Klein, Ezklein

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<tr>
<td>11:30 – 12:00</td>
<td>High-Performance Solar Thermal Electricity</td>
<td>Dr. Avraham Kribus, Mechanical Eng. Tel-Aviv University, Tel-Aviv</td>
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<tr>
<td>12:00 – 12:30</td>
<td>Solid Hydrogen: The unique solution for intermediate and mass energy storage</td>
<td>Dr. Daniel Fruchart, CNRS Neel Institute, Grenoble</td>
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<td>12:30 – 13:00</td>
<td>BrightSource Energy's Solar Energy Development Center</td>
<td>Dr. Binyamin Koretz, Director, Strategic Planning &amp; IP</td>
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<tr>
<td>13:00 – 13:30</td>
<td>Towards the Future of Concentrating Solar Power</td>
<td>Dr. Cyril Caliot, PROMES-CNRS, Font-Romeu-Odeillo</td>
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<tr>
<td>13:30 – 15:00</td>
<td>Lunch hosted by Dr. Shlomo Wald, Chief Scientist, Ministry of National Infrastructures, Israel</td>
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### Sixth Session – Storage –II-; Chair: Dr. Yair Ein Eli, Technion, Israel Inst. of Technology, Haifa

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| 15:00 – 15:30 | How to store and convert solar & wind energy: electrochemical options for load leveling applications.  
Dr. Doron Aurbach, Chemistry Dept., Bar-Ilan University, Ramat Gan |
| 15:30 – 16:00 | Intelligent buildings and renewable energy integration  
Dr. Seddik Bacha, Laboratory G2elab, France |
| 16:00 – 16:30 | Large-Scale Energy-Storage Systems – Technologies and Applications  
Dr. Emanuel Peled, Chemistry Dept. Tel-Aviv University, Tel-Aviv |
| 16:30 – 17:00 | Coffee break |

Seventh Session – Biofuel –II-; Chair: Dr. Yuval Shoham, Technion, Haifa

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| 17:00 – 17:30 | Enzymes for the conversion of lignocellulosic materials into biofuels  
Dr. Frederic Monot, IFP Energies Nouvelles, Rueil-Malmaison Cedex, |
| 17:30 – 18:00 | Utilization of Lignocellulosic Agricultural By-products by the White Rot Mushroom Pleurotus Ostreatus  
Dr. Yitzhak Hadar, Plant Pathology and Microbiology Dept. The Robert H. Smith Faculty of Agriculture, Food and Environment, the Hebrew University of Jerusalem. |
| 18:00 – 18:30 | Biofuels: from the 1st to the 2nd generation  
Dr. Bruno Jarry, Academy of Technologies, Paris |
| 18:30 – 19:00 | Strategic Implications of an Algal Biomass Future  
Dr. Sammy Boussiba, Ben Gurion University of the Negev, Sde Boker |
| 19:15         | Transfer to the Residence of the Ambassador of France |
| 19:30         | Cocktail at the Residence of the French Ambassador, H.E. Christophe Bigot  
(with invitation) |