Yearly Conference Uniting
Industry & Academy
Polymers & Plastics -
Theory & Applications
Tuesday, December 11, 2012

### Registration and Distribution of Conference Material
8:30

### Welcome Address: Ana Dotan, President of IPPS, Yanir Shaked, Chair of organizing committee
9:15

### Plenary Sessions
9:30-12:50

#### Morning Session 1
9:30
- **Polymer Nanocomposites - New Developments in Materials, Methods and Modeling**
  Daniel Schmidt, University of Massachusetts, Lowell.
- **Recent advances in polypropylene material design and applications**
  Enrico Beccarini – Lyondell Basell
10:00
10:30 Coffee break

#### Morning Session 2
11:00
- **IPPS Honorary membership announcement**
11:15
- **Integrating polymers with nanostructured Si: Applications on biotechnology and medicine**
  Ester Segal, Technion-Israel Institute of Technology
- **Use of innovative UV stabilizers in durable polyolefin end applications**
  Ivan Vulic, Cytec Industries
11:45
12:15 General Assembly
12:30 Lunch break

### Parallel Sessions
13:30-15:50

#### Session 1
13:30
- **Keynote lecture: Molecular design of biodegradable polymers for tissue engineering applications**
  Dan Lewitus, Shenkar College of Engineering and Design
14:00
- **Highly-Tunable Polymer/CNTs Nanostructures: A Rapid and Facile Approach for Controlled Architecture and Composition**
  Guy Mechrez, Technion-Israel Institute of Technology
14:20
- **Porous Hydrogel-filled shape memory polymers via emulsion templating**
  Christine Warwar, Technion-Israel Institute of Technology
14:40
- **Determination of Plasticizers efficiency for nylon by molecular modeling**
  D. Alperstein, Academic Braude College
15:00
- **Injection Molded Fiber Reinforced Plastics with High Thermal Dimensional Stability**
  Fabian Rios, Shenkar College of Engineering and Design

#### Session 2
13:30
- **Keynote lecture: Advances in Polyolefin Nucleation-Evolution, Mechanisms, and Implications to Polymer Manufacturing & Performance**
  Jamie Myers, Milliken & Company
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td></td>
<td><strong>Tool Design Consideration for Injection Molding in 3D Printed Cavities</strong></td>
<td>Lior Zonder, Objet Geometries</td>
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<td>14:20</td>
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<td><strong>Stress Whitening Resistance of Capilene Heterophasic Polypropylene Copolymers</strong></td>
<td>Michael Shuster, Carmel Olefins Ltd</td>
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<td>14:40</td>
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<td><strong>An applicative recyclability comparison between non-halogen PC/ABS alloy and FR/ABS flame</strong></td>
<td>Yaniv Hirschsohn, ICL-IP</td>
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<td>15:00</td>
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<td><strong>Deeper Insight into the Injection Molding Process</strong></td>
<td>Gal Sherblis, G.S. Design</td>
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### Session 3

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<tr>
<td>13:30</td>
<td><strong>Keynote lecture: Enhanced Mechanical Properties of Electrospun Nano–Fibers Through NaCl Mediation</strong></td>
<td>Daniel Wagner, Weizmann Institute of Science</td>
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<tr>
<td>14:00</td>
<td><strong>Hybrid Ternary Elastomeric Conductive Nano–composites</strong></td>
<td>Irena Brook, Technion-Israel Institute of Technology</td>
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<tr>
<td>14:20</td>
<td><strong>Investigation of the Controlled Migration of Antifog Additives in Thin Polyolefin Products</strong></td>
<td>Jasmine Rosen, Technion-Israel Institute of Technology</td>
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<td>14:40</td>
<td><strong>Porous Poly(urethane–urea)s through Step–Growth Polymerization within High Internal Phase Emulsions</strong></td>
<td>Dganit David, Technion-Israel Institute of Technology</td>
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<td>15:00</td>
<td><strong>Hybrid PANI/CNT Nano–composites Prepared by an Inverse Emulsion Polymerization Technique</strong></td>
<td>Ran Suckeveriene, Technion, Israel Institute of Technology</td>
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15:20-15:50 Hanukkah Celebration

**15:50-16:30 Plenary Session**

**Israeli Plastics Industry, Success Story**

**Irrigation on demand**

Natan Barak, Netafim

**16:30 End of Conference**