## Technical Program

### Sunday, November 9, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15</td>
<td>Gathering &amp; registration</td>
</tr>
<tr>
<td>8:45</td>
<td>Opening</td>
</tr>
</tbody>
</table>
| 9:00  | **Anders Lindquist**, KTH & Jiao Tong U  
       Intermittent Observations and Hybrid Dynamics: The Reversal of the Time Direction in Stochastic Models and its Use in Optimal Estimation |
| 9:40  | **Izchak Lewkowicz**, Ben-Gurion U  
       (Generalized) Positive Rational Functions — Convex Invertible Cones Overview          |
| 10:20 | Coffee break                                                                                 |
| 10:50 | **Thomas Schön**, Uppsala U  
       Nonlinear System Identification Enabled via Sequential Monte Carlo                      |
| 11:30 | **Jonas Sjöberg**, Chalmers U  
       Identification of Wiener-Hammerstein Models and Other Nonlinear Block Models           |
| 12:10 | Lunch (Forchheimer)                                                                         |
| 14:00 | **Alexander Medvedev**, Uppsala U  
       Pointwise and Distributed Delays in Impulsive Models of Endocrine Regulation            |
| 14:40 | **Michael Margaliot**, Tel-Aviv U  
       The Ribosome Flow Model: Theory and Applications                                           |
| 15:20 | Coffee break                                                                                 |
| 15:50 | **Thomas Guotafswon**, Luleå U  
       Towards Optimal Control of Wood Drying                                                   |
| 16:30 | **Yizhar Or**, Technion  
       Dynamics and Control of (Bio-)Robotic Locomotion: Nonlinear, Nonholonomic and Hybrid Mechanical Systems |
| 12:40-21:00 | Lunch, Trips &  
            Banquet                                                                 |

### Monday, November 10, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:40</td>
<td>Gathering &amp; registration</td>
</tr>
</tbody>
</table>
| 9:00  | **Shai Arogeti**, Ben-Gurion U  
       Set-point Regulation of an Uncertain 6-DOF Magnetically Levitated Positioning Stage     |
| 9:40  | **Karl Johan Åström**, Lund U  
       Control Design for a MEMS Accelerometer with Tunneling Sensing                             |
| 10:20 | Coffee break                                                                                 |
| 10:50 | **Bo Bernhardsson**, Lund U  
       Control of a Marine Vibrator Using Iterative Learning Control                               |
| 11:30 | **Tal Shima**, Technion  
       Cooperative Optimal Missile Guidance Laws                                                   |
| 12:10 | Lunch                                                                                       |
| 14:00 | **Anders Rantzer**, Lund U  
       Scalable Control of Positive Systems                                                        |
| 14:40 | **Karl Henrik Johansson**, KTH  
       Control and Optimization of Cooperative Driving for Road Goods Transportation             |
| 15:20 | **Jack Haddad**, Technion  
       Optimal Perimeter Control Synthesis for Two Urban Regions with Boundary Queue Dynamics     |
| 16:00 | Coffee break                                                                                 |
| 16:30 | **Karl Johan Åström**, Lund U  
       Control — A Perspective                                                                     |
| 17:30 | Farewell                                                                                     |

### Tuesday, November 11, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:40</td>
<td>Gathering &amp; registration</td>
</tr>
</tbody>
</table>
| 9:00  | **Ilana Nisky**, Ben-Gurion U  
       Surgical Robotics — Enhancing the Surgeon in the Loop                                     |
| 9:40  | **Maxim Kristalny**, Technion  
       Optimal Control in Delayed Bilateral Teleoperation                                          |
| 10:20 | Coffee break                                                                                 |
| 10:50 | **Daniel Zelazo**, Technion  
       Uncertain Consensus Networks: Robustness and its Connection to Effective Resistance       |
| 11:30 | **Giacomo Como**, Lund U  
       Resilient Distributed Routing in Dynamical Flow Networks                                     |
| 12:10 | Lunch (Forchheimer)                                                                         |
| 14:00 | **Anders Rantzer**, Lund U  
       Scalable Control of Positive Systems                                                        |
| 14:40 | **Karl Henrik Johansson**, KTH  
       Control and Optimization of Cooperative Driving for Road Goods Transportation             |
| 15:20 | **Jack Haddad**, Technion  
       Optimal Perimeter Control Synthesis for Two Urban Regions with Boundary Queue Dynamics     |
| 16:00 | Coffee break                                                                                 |
| 16:30 | **Karl Johan Åström**, Lund U  
       Control — A Perspective                                                                     |