

# Schedule of the Keynote Reports

**Tuesday, 27 August 2013, 08:30–18:40**

**Jasmine Room, 4F**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Session Chair:</b> Sergej Fatikow		
08:30 – 09:15	Magnetically- and Bacteria-Actuated Mobile Micro-Robots	Metin Sitti (USA)
09:15 – 10:00	Nano-Surface Engineering: Trends, Strategies and Applications	Linsen Chen (China)
<b>Session Chair:</b> Linsen Chen		
10:20 – 11:05	Nanoengineering of 2D Materials with Energetic Ions	Marika Schleberger (Germany)
11:05 – 11:50	Developing Novel Methods for Characterizing Mechanical Properties of Nanostructures	Han Huang (Australia)
11:50 – 12:35	Micro/Nano Manipulator Based on Scanning Probe Microscope for Biological Application	Futoshi Iwata (Japan)
<b>Session Chair:</b> Vladimir Falko		
14:30 – 15:15	Recent Development of Friction-Induced Nanofabrication	Linmao Qian (China)
15:15 – 16:00	Nanomanipulation of Cellular Organelles and Molecules	Yu Sun (Canada)
<b>Session Chair:</b> Han Huang		
16:20 – 17:05	Paper-Based Micro and Nano-Sensors	Xinyu Liu (Canada)

17:05 – 17:50	Electronic Properties of Graphene-Boron Nitride Heterostructures	Vladimir Falko (UK)
17:50 – 18:35	Nanostructures for Sensing and Energy Applications	Liwei Lin (USA)

**Wednesday, 28 August 2013, 13:20–18:20**

**Jasmine Room, 4F**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Session Chair:</b> Bijan Shirinzadeh		
13:20 – 14:05	NanoLegoTronics - A Novel Assembly Tool for Hierarchical Assembly of Micro- and Nanostructures with Emphasize on Applications in the Life Sciences	Lars Montelius (Sweden)
14:05 – 14:50	Generation of Multi-Scale Engineered Surface Textures	Kornel Ehmann (USA)
14:50 – 15:35	Nano Fabrication for Nano Effects and Nano Sensors	Tie Li (China)
<b>Session Chair:</b> Kornel Ehmann		
16:00 – 16:45	Development of Basic Operating Elements in Nano/Micro Mobile System for Large Translational and Rotational Movements	Dong-Yol Yang (South Korea)
16:45 – 17:30	Carbon Nanomembranes, Graphene and Their Hybrids: New Opportunities for Nanotechnology	Andrey Turchanin (Germany)
17:30 – 18:15	Piezoelectric Actuators for Nanopositioning Devices	Wei-Hsin Liao (Hong Kong)

**Thursday, 29 August 2013, 08:00–16:30**

**Jasmine Room, 4F**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Session Chair: Tianhong Cui</b>		
08:00 – 08:45	Graphenetrronics: from Growth to Applications	Po-Wen Chiu (Taiwan)
08:45 – 09:30	A New Infrastructure for Traceable Surface Nanometrology	Richard Leach (UK)
09:30 – 10:15	Flexure-Based Mechanisms for Manipulation Tasks at Micro/Nano Scale	Bijan Shirinzadeh (Australia)
<b>Session Chair: Richard Leach</b>		
10:40 – 11:25	Cell Analysis and Assembly by Micro and Nano Robotics System	Toshio Fukuda (Japan)
11:25 – 12:10	Shrink Nanomanufacturing from Micro to Nano	Tianhong Cui (USA)
<b>Session Chair: Thomas Mikolajick</b>		
13:10 – 13:55	2D and 3D Self-Assembly Across Scales	Karl F. B öhringer (USA)
13:55 – 14:40	Single Molecule Detection Based on Nanopore Fabrication	Yunfei Chen (China)
<b>Session Chair: Karl F. B öhringer</b>		
15:00 – 15:45	Reconfigurable Si-Nanowire Field Effect Transistors as a Building Block for Post Moore Electronics	Thomas Mikolajick (Germany)
15:45 – 16:30	Nanoplasmonic Structures for Highly Sensitive Biosensors	Pei-Kuen Wei (Taiwan)