

# Schedule of the Keynote Reports

**Tuesday, 9 August, Banquet Hall, 2F**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Session Chair:</b>		
08:20 – 09:00 (8 Aug: 20:20-21:00)	<b>Electron Transport in Discontinuous Metal Thin Films</b>	James Morris (USA)
09:00 – 09:40 (8 Aug: 21:00-21:40)	<b>Magnetic Alignment for Plasmonic Control of Gold Nanorods Coated with Iron Oxide Nanoparticles</b>	Joseph B. Tracy (USA)
09:40 – 10:20 (8 Aug: 21:40-22:20)	<b>Pathogenic A-synuclein Cell-to-Cell Transmission Mechanism and Related Therapeutic Development</b>	Xiaobo Mao (USA)
<b>Session Chair:</b>		
10:40 – 11:20 (9 Aug: 11:40-12:20)	<b>Micro/Nano-Metrology for Nanomanufacturing</b>	Wei Gao (Japan)
11:20 – 12:00	<b>Minimum Damage Oriented Automatic SCNT and Its Application in Animal Cloning</b>	Xin Zhao
<b>Session Chair:</b>		
14:00 – 14:40	<b>High Effective Laser Assisted Ultra-Precision Machining of Brittle Materials</b>	Fengzhou Fang
14:40 – 15:20 (9 Aug: 8:40-9:20)	<b>4D Materials for E-skin and Microrobotic Applications</b>	Oliver G. Schmidt (Germany)

15:20 – 16:00	<b>Ultrafast Laser Precise Machining Processes and Equipments of Hard and Brittle Materials</b>	Xuesong Mei
<b>Session Chair:</b>		
16:20 – 17:00 (9 Aug: 9:20-10:00)	<b>Manufacture Nanostructured Antibiofilm Surfaces and Measure Nanobiomechanics of Bacteria</b>	Jinju Chen (UK)
17:00 – 17:40 (9 Aug: 11:00-11:40)	<b>Frontiers of Nanomechanical Mapping: From Single Ions to Single Cell Nanomechanics</b>	Ricardo Garcia (Spain)

### Wednesday, 10 August, Banquet Hall, 2F

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Session Chair:</b>		
14:00 – 14:40 (10 Aug: 8:00-8:40)	<b>FluidFM: A Force-Controlled Pipette for Single-Cell Mechanobiology and Electrochemical 3D Microprinting</b>	Tomaso Zambelli (Switzerland)
14:40 – 15:20	<b>Development of High-Throughput Robotic Bio-Microinjection Systems</b>	Qingsong Xu (Macau, China)
15:20 – 16:00 (10 Aug: 9:20-10:00)	<b>Bad Weather in Molecular Electronics</b>	Per Hedegård (Denmark)
<b>Session Chair:</b>		
16:20 – 17:00 (10 Aug: 10:20-11:00)	<b>Perspective for a Broader Approach of Laser Materials Processing in Lithium-Ion Battery Production</b>	Wilhelm Pfleging (Germany)

17:00 – 17:40 (10 Aug: 10:00-10:40)	<b>Scanning Probe Lithography Through Pulse Modulated Local Anodic Oxidation</b>	Xichun Luo (UK)
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**Thursday, 11 August, Banquet Hall, 2F**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Session Chair:</b>		
14:00 – 14:40	<b>Biological Vs Synthetic Organic Electronic Materials &amp; The Electrifying Emergence of "Cable Bacteria"</b>	Jean Manca (Belgium)
14:40 – 15:20 (11 Aug: 8:40-9:20)	<b>Medical Microrobots for Non-invasive in Vivo Assisted Reproduction</b>	Mariana Medina Sánchez (Germany)
15:20 – 16:00 (11 Aug: 8:20-9:00)	<b>Probing Electric Polarization on the Atomic Scale: From Thin Films and Biomembranes to 2D Crystals, DNA and Confined Water</b>	Laura Fumagalli (UK)
<b>Session Chair:</b>		
16:20 – 17:00 (11 Aug: 9:20-10:00)	<b>Measuring Biological "Time" at the Nanoscale with AFM</b>	Sonia Antoranz Contera (UK)
17:00 – 17:40	<b>Micro/Nano Manufacturing Based on Precision Assembly and Manipulation</b>	Fujun Wang