

Schedule of the Keynote Reports

Tuesday, 3 August, Changle Hall, 1F

Time	Topic	Speaker
Session Chair: Xueyong Wei		
08:20 – 08:50	Femtosecond laser bionic fabrication	Feng Chen Xi'an (China)
08:50 – 09:20 (2 Aug: 20:50-21:20)	Multifunctional Materials for Emerging Technologies	Federico Rosei Quebec (Canada)
09:20 – 09:50 (3 Aug: 10:20-10:50)	Micro Robotics Advances Bio Sciences	Tatsuo Arai Tokyo (Japan)
09:50 – 10:20 (2 Aug: 21:50-22:20)	Microsystems for Manipulating and Characterizing Cells and Tissues	Yu Sun Toronto (Canada)
Session Chair: Yanling Tian		
10:40 – 11:10	Microrobotic Manipulation for Cell Therapy	Dong Sun Hong Kong (China)
11:10 – 11:40 (2 Aug: 20:10-20:40)	Microrobots Go in-vivo: From Test-tubes to Live Animals	Joseph Wang San Diego (USA)
11:40 – 12:10	Bio-inspired Magnetic Microrobots: From Individual to Swarm	Li Zhang Hong Kong (China)

Wednesday, 4 August, Changle Hall, 1F

Time	Topic	Speaker
Session Chair: Kun Qian		
14:00 – 14:30 (4 Aug: 9:00-9:30)	Manipulation and Assembly of Particles using Acoustic Field Gradient and Electromagnetic Needle	Quan Zhou Helsinki (Finland)
14:30 – 15:00 (4 Aug: 8:30–9:30)	From Chemical Bonds to Molecular Assemblers	Harald Fuchs Muster (Germany)
15:00 – 15:30 (4 Aug: 9:00-9:30)	Micro- and Nanorobots in the body: Monitoring and Safety Challenges	Veronica Iacovacci Pisa (Italy)
15:30 – 16:00 (4 Aug: 9:30 – 10:00)	Ultrasound-controlled Swarmbots in Physiological Flows	Daniel Ahmed Zurich (Switzerland)
Session Chair: Feng Chen		
16:20 – 16:50	Optical MEMS-based spectrally adaptive remote sensing	Mariusz Martyniuk Perth (Australia)
16:50 – 17:20	Laser Precision Engineering: from Micro-scale to Nano-scale	Minghui Hong Singapore
17:20 – 17:50 (4 Aug: 10:20-10:50)	Microrobotic Systems for Swarm Delivery of the Therapeutics Agents	Ali K. Hoshier Essex (UK)
17:50 – 18:20 (4 Aug: 10:50-11:20)	Machining with the Tip of an AFM Probe: Research Efforts Towards an Alternative Nano-manufacturing Process	Emmanuel Brousseau Cardiff (UK)

Thursday, 5 August, Changle Hall, 1F

Time	Topic	Speaker
Session Chair: Zenghui Wang		
14:00 – 14:30	Metamaterials Baked on Broken Symmetries	Andrea Alù
14:30 – 15:00 (5 Aug: 08:30-09:00)	Nanocomposites to Enhance Sensitivity, Specificity and Multiplexing Capability of Biosensors	Yi Sun Copenhagen (Denmark)
15:00 – 15:30 (5 Aug: 9:00 – 9:30)	Nanoelectrochemistry: Unravelling Nanoparticle (re-)activity by Single Nanoparticle Electrochemistry	Kristina Tschulik Bochum (Germany)
15:30 – 16:00 (5 Aug: 13:00 – 13:30)	Multifunctional Helical Nanobots: Roles of Material and Geometry	Ambarish Ghosh Bangalore (India)
Session Chair: Lei Liu		
16:20 – 16:50 (5 Aug: 10:20 – 10:50)	Tip- and Laser- based Nanofabrication in Extended Areas with Sub-nanometre Precision	Eberhard Manske Ilmenau (Germany)
16:50 – 17:20 (5 Aug: 10:50 – 11:20)	How to Engineer Biofriendly Nanobots and Bring them from in Vitro to in Vivo	Samuel S ánchez Ord óñez Catalonia (Spain)