

Schedule of Keynote Reports

Tuesday, 6 October 2015, Multifunctional Hall, 2F

Conference Center

Time	Topic	Speaker
Session Chair: Hong-Bo Sun		
08:40 – 09:20	Super-Resolution Lenses for Rapid and Large Area 3D Nanoscale Imaging	Wen-Jung Li
09:20 – 10:00	Throughput Issues for Scanning Probe Imaging and Lithography	Stefanie Gutschmidt
Session Chair: Wen-Jung Li		
10:20 – 11:00	Mechatronic Equivalent of a Therapeutic Bacterial Nanorobotic Agent	Sylvain Martel
11:00 – 11:40	Oscillation-based Methods for Fixation and Manipulation of Nano-particles	Valentin L. Popov
11:40 – 12:20	Nano-Spike Electroporation system for Manipulation of Biological Cells at Ultra-low Voltages	Yi-Kuen Lee
Session Chair: Valentin L. Popov		
16:20 – 17:00	Three-dimensional Printing of Integrated Microsystems in Single Monolith by Locally Tailoring Material Functionalities	Yves Bellouard
17:00 – 17:40	Biomimetic Adhesive Microstructures as an Approach to Understand Functioning of Biological Systems	Stanislav Gorb

Wednesday, 7 October 2015, Multifunctional Hall, 2F

Conference Center

Time	Topic	Speaker
Session Chair: Gilles Dambrine		
10:20 – 11:00	Biomimetics of Gecko Locomotion: from Nano to Engineering	Zhendong Dai
11:00 – 11:40	Functional Inks of Layered Materials in Printed Electronics and Photonics	Tawfique Hasan
11:40 – 12:20	Micro and Nano Robotics on a Chip for Biomedical Innovation	Fumihito Arai
12:20 – 13:00	Optical Imaging at the Nanometer Scale: Seeing What Light Cannot See	Prabhat Verma
Session Chair: Sylvain Martel		
16:00 – 16:40	Hand-Operating Nanotechnology: Manual Control of Molecular Machine	Katsuhiko Ariga
16:40 – 17:20	Flexible and Stretchable Conductors for Electronics and Energy Applications	Pooi See Lee
17:20 – 18:00	High Frequency Characterization of Nanoelectronics: Challenges and Instrumental Solutions	Gilles Dambrine

Thursday, 8 October 2015, Multifunctional Hall, 2F

Conference Center

Time	Topic	Speaker
Session Chair: Masahiro Nakajima		
10:20 – 11:00	Long Range Visualisation of 300nm Diameter Particles as a Diagnostic for High Speed Combustion Flows	Peter J Bryanston-Cross
11:00 – 11:40	Helical Swimming Microrobots: Manufacturing, Characterization and Applications	Li Zhang
Session Chair: Peter J Bryanston-Cross		
14:00 – 14:40	Hybrid Nanomembranes: From Imperceptible Magnetolectronics to Micro-biorobots	Oliver G. Schmidt
14:40 – 15:20	Photo Harvesting of Living Cell Sheets from NIR Active Conjugated Polymer Surfaces	Eunyoung Kim
15:20 – 16:00	Micro-Nanomanipulation System under Environmental Scanning Electron Microscope for <i>C. elegans</i>	Masahiro Nakajima
Session Chair: Oliver G. Schmidt		
16:20 – 17:00	Nanoelectrochemical Systems (NECS): the Next Important Thing for NanoRobotics	Lixin Dong

