

Schedule of the Keynote Reports

Tuesday, 14 August 2018, Longhill Ballroom, 3F

Time	Topic	Speaker
Session Chair: Adrian Neild		
08:20 – 09:00	Nanogenerator for Self-powered Systems, IoTs, artificial Intelligence and Blue Energy	Zhonglin Wang
09:00 – 09:40	Formulation and Manufacturability of 2D Material Functional Inks and Devices	Tawfique Hasan
09:40 – 10:20	Functional Nanofibers	Seeram Ramakrishna
Session Chair: Tawfique Hasan		
10:40 – 11:20	Microfluidic Manipulation of Nanoparticles and Nanolitre Volume Droplets	Adrian Neild
11:20 – 12:00	Chemical Vapor Deposition Growth of Two Dimensional Materials for Electronic Devices and Energy Applications	Zhengtang Luo
Session Chair: Viktor Koledov		
14:00 – 14:40	Two-Dimensional Layered Materials for Nanoelectronics	Yang Chai
14:40 – 15:20	Beyond Nanoscale – A Next Generation Biocompatible Pathway for Analytical Bio-sensing and Cancer Diagnostics & Imaging	Krishnan Venkatakrishnan

Session Chair: Krishnan Venkatakrishnan		
15:40 – 16:20	Low Dimensional (0D, 1D, 2D) Devices for Future Electronics	Shunri Oda
16:20 – 17:00	Nano-Manipulation, Nano-Manufacturing, Nano-Measurements by New Smart Material-Based Mechanical Nanotools	Viktor Koledov

Wednesday, 15 August 2018, Longhill Ballroom, 3F

Time	Topic	Speaker
Session Chair: Santiago M. Olaizola		
08:00 – 08:40	In-situ Laser Interference Surface Patterning of Nanomaterials	Mark Hopkinson
08:40 – 09:20	Non-invasive Electromagnetic Guidance Schemes of Magnetic Nanoparticles for Drug Delivery to a Brain	Jungwon Yoon
09:20 – 10:00	SLM-based High-efficiency 3D Femtosecond Laser Microfabrication for Microoptical and Microfluidic Applications	Dong Wu

Thursday, 16 August 2018, Longhill Ballroom, 3F

Time	Topic	Speaker
Session Chair: Erkki Levanen		
13:30 – 14:10	Interregation of Cell Surface Dynamics by using Optical Manipulation and Thermoplasmonics	Poul M. Bendix
14:10 –14:50	Microrobotic Swarm: Reconfigurable Pattern Generation and Motion Control	Li Zhang
14:50 –15:30	Cavity-enhanced Nanophotonic Switching	Chaoyuan Jin
Session Chair: Poul M. Bendix		
15:50 – 16:30	Green, Supercritical CO ₂ Assisted Processing of Functional Surfaces	Erkki Levanen
16:30 – 17:10	Flexible Electronics for Medical and Healthcare Applications	Jikui Luo
17:10 – 17:50	FBAR Devices for Gravimetric and Bio-Sensing Applications	Bill Milne