

3M-NANO 2012: Keynote Reports

Friday, 31 August 2012

Location: Jianguo Hotel, 2F

Time	Topic	Speaker
Session Chair: Sylvain Martel (Canada)		
08:00 – 08:35	Study of Atomic Layer of Mica for Gate Dielectric Applications	Qing Zhang (Singapore)
08:35 – 09:10	Nanomanipulation Enabled Biological Research in Cancer Target Therapy and New Drug Discovery	Lianqing Liu (China)
09:10 – 09:45	Biomedical Robotic Device Based on 3D Polymer-Based Micro/Nano Fabrication	Koji Ikuta (Japan)
09:45 – 10:20	Physics and Technology of Solution-Based Carbon Nanotube Networks	Paolo Lugli (Germany)
Session Chair: Din Ping Tsai (Taiwan)		
10:40 – 11:15	Computer-Controlled Bacteria for Micro- and Nanoscale Manipulation and Manufacturing	Sylvain Martel (Canada)
11:15 – 11:50	The Art of Nanopositioning: From Mechanical Design to Control	Reza Moheimani (Australia)
11:50 – 12:25	EHD Direct Patterning for Printed Electronics	Sukhan Lee (Korea)
12:25 – 13:00	Recent Advances in Micromanipulation	Brad Nelson (Switzerland)
Session Chair: Brad Nelson (Switzerland)		
14:30 – 15:05	Nano Fabrication for Novel Energy Devices	Haixia Zhang (China)
15:05 – 15:40	Electronic Applications of Carbon Nanotubes- a Realistic Appraisal	Bill Milne (UK)
15:40 – 16:15	Micro Lens Arrays: Fabrication and Applications	Ruxu Du (Hong Kong)

Session Chair: Bill Milne (UK)

16:35 – 17:10	"Seeing" and Creating in Nanoscale	Ivo Rangelow (Germany)
17:10 – 17:45	Toroidal Resonance in Plasmonic Metamaterials from Microwave to Optical Frequencies	Din Ping Tsai (Taiwan)
17:45 – 18:20	NSFC Major Research Plan on Nanomanufacturing and Recent Progresses	Bingheng Lu (China)