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Kerntopf, Pawel

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Szyprowski, Marek

Warsaw Univ. of Tech.

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Ghanbari, Ali	Daegu Gyeongbuk Inst. of Science and Tech. (DGIST)
Moon, Cheil	DGIST
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Jennifer, Rupp

Electrochemical Materials, ETH Zurich

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Chair: Liu, Lianqing

Shenyang Inst. of Automation, Chinese Acad. of Sciences

Co-Chair: Nakajima, Masahiro

Nagoya Univ.

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Nagoya Univ.

Hisamoto, Naoki

Nagoya Univ.

Takeuchi, Masaru

Nagoya Univ.

Tajima, Hirotaka

Nagoya Univ.

Huang, Qiang

Intelligent Robotics Inst. School of Mechatronic Engineerin

Homma, Michio

Nagoya Univ.

Fukuda, Toshio

Nagoya Univ.

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Cityu Univ. of Hong Kong

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City Univ. of Hong Kong

Tan, Qiulin

North Univ. of China

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Xiamen Univ.

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Liu, Kai

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Harbin Inst. of Tech. Shenzhen Graduate School

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City Univ. of Hong Kong

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IEEE,CAS

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Yue, Tao

Nagoya Univ.

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Nagoya Univ.

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Intelligent Robotics Inst. School of Mechatronic Engineerin

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Takeuchi, Masaru

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Univ. of Science and Tech. of China

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City Univ. of Hong Kong
 City Univ. of Hong Kong
 Michigan State Univ.
 Univ. of Science and Tech. of China

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Lin, Weiwei		Univ. Paris-Sud - CNRS
Klein, Jacques-Olivier		IEF, Univ. Paris-Sud, CNRS
Ravelosona, Dafiné		IEF, Univ. Paris-Sud, CNRS
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Lin, Chun-Yu

National Chiao Tung Univ.

17:15-17:30

TuB4.8

Study on the Optimal Distribution of Redundancy Effort in Cross-Layer Reliable Architectures, pp. 245-249.

Aymerich, Nivard

UPC Barcelona Tech.

Rubio, Antonio

Univ. Pol. de Catalunya

TuB5

Diamond II

Nanophotonics I (Oral Session)

Chair: Wang, Zuobin

Changchun Univ. of Science and Tech.

Co-Chair: Weng, Zhankun

changchun Univ. of Science and Tech.

15:30-15:45

TuB5.1

Substrate Effect on Single Carbon Nanotube Based Infrared Sensors, pp. 250-253.

Chen, Liangliang

Michigan State Univ.

Xi, Ning

Michigan State Univ.

Yang, Ruiguo

Michigan State Univ.

Song, Bo

Department of Electrical and Computer Engineering, Michigan State Univ.

15:45-16:00

TuB5.2

Utilizing Two Dimensional Photonic Crystals to Study the Relation between the Air Duty Cycle and the Light Extraction Efficiency of InGaN-Based Light-Emitting Diodes, pp. 254-257.

Lee, Ming-Lun

Graduate Inst. of Electronics Engineering, National Taiwan U

Hsieh, Cheng-Ju

Graduate Inst. of Electronics Engineering, National Taiwan U

Su, Vincent

Graduate Inst. of Electronics Engineering, National Taiwan U

You, Yao-Hong

Graduate Inst. of Electronics Engineering, National Taiwan U

Chen, Po-Hsun

Graduate Inst. of Electronics Engineering, National Taiwan U

Lin, Hung-Chou

Graduate Inst. of Electronics Engineering, National Taiwan U

Yang, Han-Bo

Graduate Inst. of Electronics Engineering, National Taiwan U

Kuan, Chieh-Hsiung

Graduate Inst. of Electronics Engineering, National Taiwan U

16:00-16:15

TuB5.3

Effect of Morphology on the Performance of Organic Solar Cells, pp. 258-261.

Popescu, Dan Horia

Tech. Univ. Munich

Popescu, Bogdan

Tech. Univ. Munich

Lugli, Paolo

Tech. Univ. Muenchen

Varone, Cristina

Tech. Univ. Munich

Jiang, Werner

Tech. Univ. of Munich

16:15-16:30

TuB5.4

Optimization of Debye Parameters for Dielectric Materials and Investigation of Symmetric SPP Mode Propagation Properties in DMD Waveguide, pp. 262-265.

Saber, Md. Ghulam

Islamic Univ. of Tech.

Sagor, Rakibul Hasan

Islamic Univ. of Tech.

Al Noor, Asif

Islamic Univ. of Tech.

Al-Amin, Md. Thesun

Islamic Univ. of Tech.

16:30-16:45

TuB5.5

Influence of the Deposition Process on the Bandgap and Electrical Properties of TiO₂ Solar Cells, pp. 266-269.

Al-sabbagh, Saad

Kufa Univ.

16:45-17:00

TuB5.6

Room-Temperature Non-Blinking Single Photon Nanoemitters, pp. 270-273.

Pisanello, Ferruccio

Istituto Italiano di Tecnologia, Center for Biomolecular Nanotec

Carbone, Luigi

National Nanotechnology Lab. CNR-Nano, Univ. del Sal

Martiradonna, Luigi

Istituto Italiano di Tecnologia, Center for Biomolecular Nanotec

Leménager, Godefroy

Istituto Italiano di Tecnologia, Center for Biomolecular Nanotec

Bramati, Alberto

Lab. Kastler Brossel, Univ. Pierre et Marie Curie, C

De Vittorio, Massimo

Istituto Italiano di Tecnologia

17:00-17:15

TuB5.7

One-Pot Synthesis of Stabilizer-Free Ag-Graphene Nanocomposite and Its Potential Application on Photodegradation of RhB, pp. 274-279.

Gao, Weiyin

Xi'an Jiaotong Univ.

Wang, Minqiang	Xi'an Jiaotong Univ.
Ran, Chenxin	Xi'an Jiaotong Univ.
Ding, Jijun	Xi'an Jiaotong Univ.
Deng, Jianping	Xi'an Jiaotong Univ.
Li, Yajing	Xi'an Jiaotong Univ.
17:15-17:30	TuB5.8
<i>Optical Properties of Silver Nanorods by Adjusting Aspect Ratio in Experiment and Simulation</i> , pp. 280-284.	
Yang, Zhi	Xi'an Jiaotong Univ.
Wang, Minqiang	Xi'an Jiaotong Univ.
Yan, Guodong	Xi'an Jiaotong Univ.
Zhang, Xiangyu	Xi'an Jiaotong Univ.
Ding, Jijun	Xi'an Jiaotong Univ.
TuB6	Diamond III
Nanobiosensors (Oral Session)	
Chair: Hu, Walter	Univ. of Texas at Dallas
Co-Chair: Mazumder, Pinaki	Univ. of Michigan
15:30-15:45	TuB6.1
<i>Doping Fluctuation Induced Performance Variation in SiNW Biosensors</i> , pp. 285-288.	
Yang, Xinrong	Univ. of Texas at Dallas
Zang, Pengyuan	The Univ. of Texas at Dallas
Frensley, William	Univ. of Texas at Dallas
Zhou, Dian	Univ. of Texas at Dallas
Hu, Walter	Univ. of Texas at Dallas
15:45-16:00	TuB6.2
<i>Fabrication and Research of Flexible Arrayed Glucose Biosensor Combined with the Magnetic Beads</i> , pp. 289-292.	
LIN, Jyun Wun	national yunlin Univ. of science and Tech.
Chou, Jung-Chuan	National Yunlin Univ. of Science and Tech.
Liao, Yi-Hung	TransWorld Univ.
Cheng, Tsung-Yi	National Yunlin Univ. of Science and Tech.
Tsai, Ya Li	National Yunlin Univ. of Science & Tech.
Jhang, Chiung Yun	National Yunlin Univ. of Science & Tech.
Chou, Hsueh-Tao	National Yunlin Univ. of Science and Tech.
16:00-16:15	TuB6.3
<i>Enhancing Sensitivity in Colorimetric Immunoassay by Using Secondary Antibody-Gold Nanoparticle Conjugate</i> , pp. 293-296.	
Maneeprakorn, Weerakanya	National Science and Tech. Development Agency
Apiwat, Chayachon	National Nanotechnology Center
Dharakul, Tararaj	Mahidol Univ. National Nanotechnology Center
16:15-16:30	TuB6.4
<i>The Corresponding Relationship Research between Human Lower Limb Operation Mode and Muscle Information</i> , pp. 297-300.	
Fengfeng, Zhang	Soochow Univ.
Yu, Yaping	Soochow Univ.
Sun, Dong	City Univ. of Hong Kong
Lining, Sun	Robotics and Microsystem Center
Haibo, Huang	Robotics and Microsystem Center, SuZhou Univ.
16:30-16:45	TuB6.5
<i>Ph Sensing Comparison of Vapor and Solution APTES Coated Si Nanograting FETs</i> , pp. 301-304.	
Zang, Pengyuan	The Univ. of Texas at Dallas
Liang, Yuchen	The Univ. of Texas at Dallas
Spurgin, Lisa	Univ. of Texas at Dallas, Richardson, Texas
Hu, Walter	Univ. of Texas at Dallas
16:45-17:00	TuB6.6
<i>Detection of Weak Nano-Biosensor Signals Corrupted by Shot Noise</i> , pp. 305-310.	
Qiu, Wanzhi	The Univ. of Melbourne
17:00-17:15	TuB6.7

<i>Spoofed Surface Plasmon Polariton (SSPP) Gap Structure for High Sensitivity Bio-Sensing in THz</i> , pp. 311-314.	
Xu, Zhao	Univ. of Michigan
Song, Kyungjun	The Univ. of Michigan
Mazumder, Pinaki	Univ. of Michigan
17:15-17:30	TuB6.8
<i>Metamaterial Sensor Platforms for Terahertz DNA Sensing</i> , pp. 315-320.	
Zheng, Nan	Univ. of Michigan
Aghadjani, Mahdi	Univ. of Michigan
Song, Kyungjun	The Univ. of Michigan
Mazumder, Pinaki	Univ. of Michigan

Wednesday August 7, 2013

WeAS1		Garden Wing Ballroom
Invited Session: Applications of Micro/Nano Manipulation (Oral Session)		
Chair: Lai, King Wai Chiu		City Univ. of Hong Kong
13:00-13:18		WeAS1.1
<i>Temperature Treatment on Silicon Nanowires for Reliability Studies</i> , pp. 321-324.		
Willems, Nathan		Univ. of Arkansas
Wejinya, Uchechukwu C.		Univ. of Arkansas
Dong, Zhuxin		Univ. of Arkansas
13:18-13:36		WeAS1.2
<i>Real-Time Measurement of the Adhesion Force by Hybrid System of ESEM and AFM Cantilever</i> , pp. 325-328.		
shen, yajing		Nagoya Univ.
Nakajima, Masahiro		Nagoya Univ.
Yang, Zhan		Nagoya Univ.
Huang, Qiang	Intelligent Robotics Inst. School of Mechatronic Engineerin	
Fukuda, Toshio		Nagoya Univ.
13:36-13:54		WeAS1.3
<i>Investigation of N-Methyl-D-Aspartate Induced Mechanical Behavior of Neuroblastoma Cell Using Atomic Force Microscopy</i> , pp. 329-332.		
Fang, Yuqiang		City Univ. of Hong Kong
Lai, King Wai Chiu		City Univ. of Hong Kong
IU, Catherine		Baptist Univ.
Lui, Cathy		Hong Kong Baptist Univ.
Fung, Carmen Kar Man		Hong Kong Productivity Council
Li, Hung-Wing		Hong Kong Baptist Univ.
Yung, Ken		Baptist Univ.
Xi, Ning		Michigan State Univ.
13:54-14:12		WeAS1.4
<i>Artificially Induced Cell Fusion by Optical Tweezers Manipulation</i> , pp. 333-336.		
Chen, Shuxun		City Univ. of Hong Kong
Wang, Xiaolin		City Univ. of Hong Kong
Cheng, Jinping		City Univ. of Hong Kong
Kong, Chi-wing		Univ. of Hong Kong
Cheng, Shuk Han		City Univ. of Hong Kong
Li, Ronald A.		Univ. of Hong Kong
Sun, Dong		City Univ. of Hong Kong
14:12-14:30		WeAS1.5
<i>Study on Fabrication and Characterization of Single CuO Nanowire Devices</i> , pp. 337-341.		
Huang, Chaolei	Shenyang Inst. of Automation, Chinese Acad. of Sciences	
Tian, Xiaojun	Shenyang Inst. of Automation, Chinese Acad. of Sciences	
Liu, Jie	Shenyang Inst. of Automation, Chinese Acad. of Sciences	
Li, Longhai	Shenyang Inst. of Automation, Chinese Acad. of Sciences	
Zhao, Zengxu	Shenyang Inst. of Automation, Chinese Acad. of Sciences	
Wang, Wenxue	Shenyang Inst. of Automation, Chinese Acad. of Sciences	
Dong, Zaili	Chinese Acad. of Sciences	
Liu, Lianqing	Shenyang Inst. of Automation, Chinese Acad. of Sciences	
14:12-14:30		WeAS1.6
<i>Study on AFM Nanoindentation Induced Viscoelastic Response of Tobacco Mosaic Virus/Ba2+ Superlattice*</i> .		
Wang, Xinnan		North Dakota State Univ.
WeAS2		Jade I
Invited Session: Nanomaterials and Nanostructures (Oral Session)		
Chair: Zhang, Li		The Chinese Univ. of Hong Kong
13:00-13:18		WeAS2.1
<i>Organic Electronics and Spintronics at the Ultimate Limit: Engineering with Molecules at Interfaces*</i> .		
Jung, Thomas Andreas		Paul Scherrer Inst.

13:18-13:36	WeAS2.2
<i>Engineering Shapes and Instability in Thin Structures: Towards Self-Assembling Micro-Robots</i> , pp. 342-345.	
Chen, Zi	Washington Univ.
13:36-13:54	WeAS2.3
<i>Amorphous Titanate Nanospheres with High Refractivity and Transparency Fabricated through a Novel Contactless Process*</i> .	
Li, Jianqiang	Inst. of Process Engineering, Chinese Acad. of Sciences
13:54-14:12	WeAS2.4
<i>Stage by Stage SEM Observation of Hydrolytic TiO₂ Deposition on Anodic Titanium Dioxide Nanotube Arrays</i> , N/A	
Yang, Hangsheng	Zhejiang Univ.
14:12-14:30	WeAS2.5
<i>Electroless Plating of Nickel-Cobalt Oxide Coated CNTs As Additives of Activated Carbon Electrode for High-Performance Supercapacitors</i> , pp. 348-351.	
Li, Qianqian	Zhejiang Univ.
Cheng, Jipeng	Zhejiang Univ.
Zhang, Li	The Chinese Univ. of Hong Kong
14:12-14:30	WeAS2.6
<i>Carbon Nanogears and Nanotori Via Combustion Flames</i> , pp. 352-355.	
Weng, Zhankun	Changchun Univ. of Science and Tech.
Dong, Lixin	Michigan State Univ.
Yu, Miao	Michigan State Univ.
Rao, Fubo	Michigan State Univ.
Fan, Zheng	Michigan State Univ.
Wang, Zuobin	Changchun Univ. of Science and Tech.
WeA3	
NEMS Applications (Oral Session)	
Jade II	
Chair: Zhu, Rong	Tsinghua Univ.
Co-Chair: Yang, Shufan	Univ. of Wolverhampton
13:00-13:15	WeA3.1
<i>Modelling Nanoplasmonic Device Based on an Off-Shelf Hybrid High Performance Computing Platform</i> , pp. 356-359.	
Yang, Shufan	Univ. of Wolverhampton
Li, Renfa	Hunan Univ.
Hillenbrand, Dominic	Waseda Univ.
13:15-13:30	WeA3.2
<i>A MEMS Based Corona Discharger Using Nanowires</i> , pp. 360-365.	
Yang, Wenming	Tsinghua Univ.
Zhu, Rong	Tsinghua Univ.
Zong, Xianli	Tsinghua Univ.
13:30-13:45	WeA3.3
<i>Energy Reversible Switching from Amorphous Metal Based Nanoelectromechanical Switch</i> , pp. 366-369.	
Mayet, Abdulilah	KING ABDULLAH Univ. OF SCIENCE AND Tech.
Smith, Casey	KING ABDULLAH Univ. OF SCIENCE AND Tech.
HUSSAIN, MUHAMMAD	KING ABDULLAH Univ. OF SCIENCE AND Tech. (KAUST)
13:45-14:00	WeA3.4
<i>Microfluidic Platform with Hierarchical Micro/Nanostructures and SELEX Nucleic Acid Aptamer Coating for Isolation of Circulating Tumor Cells</i> , pp. 370-373.	
Vilasur Swaminathan, Vikhram	Univ. of Illinois at Urbana-Champaign
Gannavaram, Spandana	Indiana Univ. Purdue Univ. Indianapolis
Li, Shihui	Univ. of Connecticut
Hu, Huan	Univ. of Illinois at Urbana-Champaign
Yeom, Junghoon	Michigan State Univ.
Wang, Yong	Penn State Univ.
Zhu, Likun	IUPUI
14:00-14:15	WeA3.5
<i>Analysis of Nonlinear Oscillation of Circular Curved Carbon Nanotube</i> , pp. 374-378.	
Askari, Hassan	Univ. of Ontario Inst. of Tech.

Barari, Ahmad	Univ. of Ontario Inst. of Tech.
Esmailzadeh, Ebrahim	Univ. of Ontario Inst. of Tech.
14:15-14:30	WeA3.6
<i>Development of Near-Field Microwave Methods for NEMS Resonators</i> , pp. 379-383.	
Hao, Ling	National Physical Lab.
Goniszewski, Stefan	Imperial Coll. London
Gallop, John	National Physical Lab.
Chen, Jie	School of Engineering and Design, Brunel Univ.
WeA4	Jade III
Nanoelectronics: Nanotubes and Nanowires I (Oral Session)	
Chair: Kaul, Anupama	Jet Propulsion Lab. California Inst. of Tech.
Co-Chair: Mazumder, Pinaki	Univ. of Michigan
13:00-13:15	WeA4.1
<i>The Electrical Characteristics of High Density Arrays of Silicon Nanowire Field-Effect Transistors: Dependence on Wire Spacing</i> , pp. 384-388.	
Kim, Hye-Young	Trinity Coll. Dublin
Lee, Kangho	Trinity Coll. Dublin
Lee, Jeawoo	Korea Univ.
Kim, Sangwook	Korea Univ.
Kim, Gyu-Tae	Korea Univ.
Duesberg, Georg Stefan	Trinity Coll. Dublin
13:15-13:30	WeA4.2
<i>Optimization of Ballasted Carbon Nanotube Array for X-Ray Source</i> , pp. 389-392.	
Sun, Yonghai	Univ. of Waterloo
Yeow, John T.W.	Univ. of Waterloo
Jaffray, David	Princess Margaret Hospital, Toronto, Ontario
13:30-13:45	WeA4.3
<i>Solution-Based Fabrication and Characterization of a Voltage Inverter Using Random Carbon Nanotube Networks</i> , pp. 393-396.	
Duan, Yan	Washington State Univ.
Holmes, Nicholas	Washington State Univ.
Ellard, Alexander	Washington State Univ.
Gao, Jianlong	Washington State Univ.
Xue, Wei	Washington State Univ.
13:45-14:00	WeA4.4
<i>Field Emission Triode in a Multifinger Configuration with Carbon Nanotubes Emitters</i> , pp. 397-400.	
Brunetti, Francesca	Univ. of Rome Tor Vergata
Ulisse, Giacomo	Univ. of Rome "Tor Vergata"
Ciceroni, Claudio	Univ. of Rome Tor Vergata
Ricci, Ferdinando	SELEX-ES SpA
Gemma, Filippo	SELEX-ES SpA
Dispenza, Massimiliano	SELEX-ES SpA
Fiorello, Annamaria	SELEX-ES SpA
Di Carlo, Aldo	Univ. of Rome Tor Vergata
14:00-14:15	WeA4.5
<i>Study of Electrical Field Distribution and Growth of Gradient-Arrayed TiO₂ Nanotubes by Electrochemical Anodization</i> , pp. 401-404.	
Zhao, Ying	Vestfold Univ. Coll.
Du, Kang	Vestfold Univ. Coll.
Liu, Guohua	Vestfold Univ. Coll.
San, Haisheng	Xiamen Univ.
Hoivik, Nils	Vestfold Univ. Coll.
Wang, Kaiying	Vestfold Univ. Coll.
14:15-14:30	WeA4.6
<i>Wafer-Scale Fabrication of Ultra-Thin Silicon Nanowire Devices</i> , pp. 405-409.	
Tran, Duy Phu	Univ. of South Australia
Wolfrum, Bernhard	Peter Grünberg Inst. Forschungszentrum Juelich GmbH

Stockmann, Regina
Offenhausser, Andreas
Thierry, Benjamin

Peter Grünberg Inst. Forschungszentrum Juelich GmbH
Peter Grünberg Inst. Forschungszentrum Juelich GmbH
Ian Wark Res. Inst. Univ. of South Australia

WeA5		Diamond II
Nanofluidics I (Oral Session)		
Chair: Arai, Fumihito		Nagoya Univ.
Co-Chair: Lam, Raymond H. W.		City Univ. of Hong Kong
13:00-13:15		WeA5.1
<i>A COPLANAR MICROFLUIDIC CHANNELS APPLIED FOR SURFACE MODIFICATION OF OXIDIZED GALINSTAN</i> , pp. 410-413.		
Li, Guangyong		MEMS and Nanotechnology Lab. School of Mechanical Systems
Parmar, Mitesh		MEMS and Nanotechnology Lab. School of Mechanical Systems
Lee, Dong-weon		Chonnam National Univ.
13:15-13:30		WeA5.2
<i>Patterned Ultrathin Metal Membranes with Hexagonally Packed Sub-50nm Nanopore Arrays Based on Hydrophilicity-Templated Self-Assembly Monolayer</i> , pp. 414-417.		
Yang, Zengfei		Peking Univ. Shenzhen Graduate School
Qian, Chuang		Inst. of Microelectronics, Peking Univ.
Wu, Wengang		Peking Univ.
13:30-13:45		WeA5.3
<i>A Microfluidic Long-Term Bacteria Culture Device with Controllable Humidity and Dissolved Oxygen</i> , pp. 418-421.		
Cui, Xin		City Univ. of Hong Kong
Lam, Raymond H. W.		City Univ. of Hong Kong
13:45-14:00		WeA5.4
<i>An Improved Method for Measuring Boundary Slip on Hydrophobic Surface with Atomic Force Microscope</i> , pp. 422-425.		
Pan, Yunlu		Harbin Inst. of Tech.
Zhao, Xuezheng		Harbin Inst. of Tech.
Li, Dayong		Harbin Inst. of Tech. Univ. of Scienc
14:00-14:15		WeA5.5
<i>Influence of Polystyrene (PS) Solution Concentration on the Formation of Nanobubbles</i> , pp. 426-429.		
Li, Dayong		Harbin Inst. of Tech. Univ. of Scienc
Pan, Yunlu		Harbin Inst. of Tech.
Zhao, Xuezheng		Harbin Inst. of Tech.
14:15-14:30		WeA5.6
<i>Design of a Combined DEP-Raman System for Cell Stretching Manipulation</i> , pp. 430-433.		
Zhang, Xiaofei		North Univ. of China
Zhang, Yang		North Univ. of China
Bai, Guohua		North Univ. of China
Tan, Qiulin		North Univ. of China
Xiong, Jijun		North Univ. of China
Sun, Dong		City Univ. of Hong Kong
WeA6		Diamond III
Simulation and Modeling of Nanostructures and Nanodevices (Oral Session)		
Chair: Wang, Albert		Univ. of California
Co-Chair: Li, Yiming		National Chiao Tung Univ.
13:00-13:15		WeA6.1
<i>Molecular Dynamics Simulation of the Thermal-Caused Material Removal Process by the SPM-Based Electric Nanofabrication</i> , pp. 434-437.		
Yang, Ye		Shanghai Jiao Tong Univ.
Zhao, Wansheng		Shanghai Jiao Tong Univ.
13:15-13:30		WeA6.2
<i>Simulation of the Nucleation of the Precipitate Al₃Sc in an Aluminum Scandium Alloy Using the Kinetic Monte Carlo Method</i> , pp. 438-441.		
Esteves, António		Univ. of Minho
Moura, Alfredo Manuel da Silva Gonçalves		Inst. of Pol. and Composites (IPC), Univ. of Minho,

13:30-13:45	WeA6.3
<i>Statistical Device Simulation of Intrinsic Parameter Fluctuation in 16-Nm-Gate N and P-Type Bulk FinFETs</i> , pp. 442-445.	
Li, Yiming	National Chiao Tung Univ.
Chen, Yu-Yu	National Chiao Tung Univ. NTCU
13:45-14:00	WeA6.4
<i>Dissipative Particle Dynamics Simulation of a Fixed Polymer Chain Behavior in Nanochannel Flow</i> , pp. 446-451.	
Darbandi, Masoud	Sharif Univ. of Tech.
Jafari, Somaye	Sharif Univ. of Tech.
Zakeri, Ramin	Sharif Univ. of Tech.
14:00-14:15	WeA6.5
<i>Scalable Behavior Modeling for Nano Crossbar ESD Protection Structures by Verilog-A</i> , pp. 452-455.	
WANG, LI	UC Riverside
wang, xin	Omnivision Tech. USA
shi, zitaio	Marvell Semiconductor
ma, rui	UC Riverside
liu, jian	UC Riverside
dong, zongyu	UC Riverside
zhang, chen	UC Riverside
lu, fei	UC Riverside
lin, lin	UC Riverside
zhao, hui	Marvell Semiconductor
Wang, Albert	Univ. of California
cheng, yuhua	SHRIME, Peking Univ.
14:15-14:30	WeA6.6
<i>Quantum Switching and Quantum Walks</i> , pp. 456-459.	
Chang, Ting-Hsu	National Taiwan Univ.
Lin, Tien-Sheng	Lan Yang Inst. of Tech.
Chien, Chia-Hung	National Taiwan Univ.
Lu, Chin-Yung	Delin Inst. of Tech.
Kuo, Sy-Yen	National Taiwan Univ.
WeBS1 Garden Wing Ballroom	
Invited Session: Flexure-Based Micro/nano Manipulators (Oral Session)	
Chair: Li, Yangmin	Univ. of Macau/Tianjin Univ. of Tech.
Co-Chair: Tian, Yanling	Tianjin Univ.
14:40-14:58	WeBS1.1
<i>Optimal Design of Proportion Compliant Mechanisms with Corner-Filletted Flexure Hinges</i> , pp. 460-465.	
Meng, Qiaoling	Univ. of Macau
Xu, Jia	Univ. of Macau
Li, Yangmin	Univ. of Macau/Tianjin Univ. of Tech.
14:58-15:16	WeBS1.2
<i>Development and Implementation of a Biomanipulation System with Magnetic-Driven Microrobots</i> , pp. 466-471.	
Tang, Hui	Univ. of Macau
Li, Yangmin	Univ. of Macau/Tianjin Univ. of Tech.
Song, Yuchun	Shaoguan Univ.
15:16-15:34	WeBS1.3
<i>Dynamic Characteristics of Carbon Nanocones As a Powerful Sharp Tool for Nano-Manipulation*</i> .	
Tian, Yanling	Tianjin Univ.
Cai, Kunhai	Tianjin Univ.
Zhang, Dawei	Tianjin Univ.
Shirinzadeh, Bijan	Monash Univ.
15:34-15:52	WeBS1.4
<i>Design and Analysis of a 2-DOF Micro-Motion Stage Based on Differential Amplifier</i> , pp. 472-477.	
Li, Xiaofeng	Tianjin Univ. of Tech.
Li, Yangmin	Univ. of Macau/Tianjin Univ. of Tech.
15:52-16:10	WeBS1.5
<i>Analysis of a Compliant Mechanism with Leverage and Closed-Loop Structure Based on Matrix Dimension-Reduced</i>	

[Method](#), pp. 478-483.

Zhou, Shunhang

Li, Yangmin

Tianjin Univ. of Tech.
Univ. of Macau/Tianjin Univ. of Tech.

WeBS2	Jade I
Invited Session: Rising Starts in Nanoelectronics and Microfluidics (Oral Session)	
Chair: Zhang, Haixia	Peking Univ.
14:40-14:58	WeBS2.1
Piezo-Phototronics Effect on Solar Cell* .	
Zhang, Yan	Beijing Inst. of Nanoenergy and Nanosystems, Chinese Acad. of Sciences
Wang, Zhong lin	Georgia Inst. of Tech.
14:58-15:16	WeBS2.2
Ferrofluidic Platform for Cell and Droplet Manipulation , pp. 484-487.	
Mao, Leidong	Univ. of Georgia
15:16-15:34	WeBS2.3
Carbon Nanotube Network Electronic Devices* .	
Zhang, Qing	Nanyang Tech. Univ.
15:34-15:52	WeBS2.4
Inertial Microfluidics for Circulating Tumor Cell Separation and Detection , pp. 488-491.	
Jiang, Xingyu	National Center for NanoScience and Tech.
15:52-16:10	WeBS2.5
Nanofluidic Water Desalination by Nafion-Induced Ion Concentration Polarization , pp. 492-495.	
Ouyang, Wei	Peking Univ.
Wang, Wei	Peking Univ.
WeB3	Jade II
Nanosensors and Actuators II (Oral Session)	
Chair: Lai, King Wai Chiu	City Univ. of Hong Kong
Co-Chair: Cheah, C. C.	Nanyang Tech. Univ.
14:40-14:55	WeB3.1
Design of Quantum Well Thermoelectric Energy Harvester by CMOS Process , pp. 496-500.	
yang, samuel	Natl cheng kung Univ.
Sheu, Geeng-Jen	Hsiuping Univ. of Science and Tech.
14:55-15:10	WeB3.2
Nanosolenoid Inductor for High Frequency Application , pp. 501-504.	
wang, zhiqiang	Peking Univ.
Mao, yifei	Peking Univ.
Zhao, Lurui	Peking Univ.
Wu, Wengang	Peking Univ.
xu, jun	Peking Univ.
15:10-15:25	WeB3.3
Polyelectrolyte Multilayer Nanothin Film Coated Long Period Grating Fiber Optic Sensors for Ammonia Gas Sensing , pp. 505-508.	
Wang, Tao	Graduate School of Environmental Engineering, The Univ. of
15:25-15:40	WeB3.4
An Inter-Segment Tunneling Nanoscale Force Sensor: Modeling and Simulation , pp. 509-512.	
Dharuman, Gautham	Michigan State Univ.
Fan, Zheng	Michigan State Univ.
Dong, Lixin	Michigan State Univ.
15:40-15:55	WeB3.5
Ultrasensitive Electronic Detection of DNA Using Si Nanograting FETs Coated with PNA Probes , pp. 513-516.	
Regonda, Suresh	Univ. of Texas at Dallas
Spurgin, Lisa	Univ. of Texas at Dallas, Richardson, Texas
Hu, Walter	Univ. of Texas at Dallas
15:55-16:10	WeB3.6

Comparison between Front and Back-Gating of Silicon Nanoribbons in Real-Time Sensing Experiments, pp. 517-520.

Accastelli, Enrico	École Pol. Fédérale de Lausanne (EPFL)
Cappi, Giulia	École Pol. Fédérale de Lausanne (EPFL)
Buckley, Julien	Commissariat à l'énergie atomique et aux énergies alternatives (
Ernst, Thomas	Commissariat à l'énergie atomique et aux énergies alternatives
Guiducci, Carlotta	École Pol. Fédérale de Lausanne (EPFL)

WeB4	Jade III
Micro-To-Nano-Scale Bridging (Oral Session)	
Chair: Zheng, Siyang	The Pennsylvania State Univ.
Co-Chair: Nakajima, Masahiro	Nagoya Univ.
14:40-14:55	WeB4.1
<i>Development of Thermoresponsive Gel Probe for Manipulation from Micro to Nano Scale</i> , pp. 521-524.	
Takeuchi, Masaru	Nagoya Univ.
Nakajima, Masahiro	Nagoya Univ.
Tajima, Hirotaka	Nagoya Univ.
Fukuda, Toshio	Nagoya Univ.
14:55-15:10	WeB4.2
<i>Temperature-Induced Nanochannel Array Synthesis in Microchannels</i> , pp. 525-528.	
Yeh, Yin-Ting	The Pennsylvania State Univ.
Khan, Waleed	The Pennsylvania State Univ.
Xu, Tianren Terrence	The Pennsylvania State Univ.
Wang, Donghai	The Pennsylvania State Univ.
Zheng, Siyang	The Pennsylvania State Univ.
15:10-15:25	WeB4.3
<i>Magnetic Manipulation for Spatially Patterned Alginate Hydrogel Microfibers</i> , pp. 529-534.	
Hu, Chengzhi	Nagoya Univ.
Nakajima, Masahiro	Nagoya Univ.
Wang, Huaping	Beijing Inst. of Tech.
Yue, Tao	Nagoya Univ.
shen, yajing	Nagoya Univ.
Takeuchi, Masaru	Nagoya Univ.
Huang, Qiang	Intelligent Robotics Inst. School of Mechatronic Engineerin
Seki, Minoru	Department of Applied Chemistry and Biotechnology, Chiba Univ.
Fukuda, Toshio	Nagoya Univ.
15:25-15:40	WeB4.4
<i>Musical Tuning Enhanced In-Vitro Micro/Nano Palpaton for Multi-Scale Biological Entities</i> , pp. 535-538.	
Luo, Yudong	Univ. of Nevada, Reno
Shen, Yantao	Univ. of Nevada, Reno
Li, Jie	Beijing Inst. of Tech.
15:40-15:55	WeB4.5
<i>Interactive Manipulation of Micro-/Nano-Scale Entities by Optically-Induced Electrokinetics*</i> .	
Lai, Sam	City Univ. of Hong Kong
Liang, Wenfeng	City Univ. of Hong Kong
Zhang, Guanglie	City Univ. of Hong Kong
Mai, John D.	City Univ. of Hong Kong
Li, Wen Jung	City Univ. of Hong Kong
15:55-16:10	WeB4.6
<i>Fabrication of Multilayered Tube-Shaped Microstructures Embedding Cells Inside Microfluidic Devices</i> , pp. 539-544.	
Yue, Tao	Nagoya Univ.
Nakajima, Masahiro	Nagoya Univ.
Wang, Huaping	Beijing Inst. of Tech.
Hu, Chengzhi	Nagoya Univ.
Takeuchi, Masaru	Nagoya Univ.
Huang, Qiang	Intelligent Robotics Inst. School of Mechatronic Engineerin
Fukuda, Toshio	Nagoya Univ.

WeB5		Diamond II
Nanofluidics II (Oral Session)		
Chair: Wang, Yi		CFD Res. Corp.
Co-Chair: Huang, Haibo		Robotics and Microsystem Center, SuZhou Univ.
14:40-14:55		WeB5.1
<i>Nonlinear Vibration of Fluid-Conveying Carbon Nanotube Using Homotopy Analysis Method</i> , pp. 545-548.		
Askari, Hassan		Univ. of Ontario Inst. of Tech.
Zhang, Dan		Univ. of Ontario Inst. of Tech.
Esmailzadeh, Ebrahim		Univ. of Ontario Inst. of Tech.
14:55-15:10		WeB5.2
<i>Nafion Film Based Nanofluidic Device for Concurrent DNA Preconcentration and Separation</i> , pp. 549-552.		
Song, Hongjun		CFD Res. Corp.
Wang, Yi		CFD Res. Corp.
Garson, Charles		CFD Res. Corp.
Pant, Kapil		CFD Res. Corp.
15:10-15:25		WeB5.3
<i>Plasmonic Nanoslit for Fluidic SERS: A Strategy towards Genome Sequencing</i> , pp. 553-556.		
chen, chang		imec & KU Leuven
li, yi		imec
kerman, sarp		imec
Neutens, Pieter		imec
maes, guido		KU Leuven
Lagae, Liesbet		imec
stakenborg, tim		imec
van dorpe, pol		imec
15:25-15:40		WeB5.4
<i>MEMS Based Microfluidic System for HIV Detection</i> , pp. 557-560.		
Ganesan, Adarsh Venkataraman		BITS Pilani, Dubai Campus
Kishore Kumar, Deepan		BITS Pilani, Dubai Campus
Banerjee, Anomitra		BITS Pilani, Dubai Campus
Swaminathan, Sundaram		BITS Pilani, Dubai Campus
15:40-15:55		WeB5.5
<i>A Novel and High Performance Potentiometric Arrayed Flexible Glucose Biosensor Based on Microfluidic Device</i> , pp. 561-565.		
Chou, Jung-Chuan		National Yunlin Univ. of Science and Tech.
Tsai, Ya Li		National Yunlin Univ. of Science & Tech.
Cheng, Tsung-Yi		National Yunlin Univ. of Science and Tech.
Liao, Yi-Hung		TransWorld Univ.
LIN, Jyun Wun		national yunlin Univ. of science and Tech.
Chen, Jie-Ting		National Yunlin Univ. of Science and Tech.
Chou, Hsueh-Tao		National Yunlin Univ. of Science and Tech.
15:55-16:10		WeB5.6
<i>Periodic Solutions for Nonlinear Oscillations of Nanowires Using Variational Iteration Method</i> , pp. 566-569.		
Askari, Hassan		Univ. of Ontario Inst. of Tech.
Zhang, Dan		Univ. of Ontario Inst. of Tech.
Esmailzadeh, Ebrahim		Univ. of Ontario Inst. of Tech.
WeB6		Diamond III
Nanofabrication I (Oral Session)		
Chair: Jiang, Kyle		Univ. of Birmingham
Co-Chair: Xiong, Jijun		North Univ. of China
14:40-14:55		WeB6.1
<i>Sub-10-Nm Nanogap Fabrication by Silicidation</i> , pp. 570-573.		
Tang, Xiaohui		ICTEAM Inst. Univ. catholique de Louvain
14:55-15:10		WeB6.2
<i>High-Quality Single-Walled Carbon Nanotubes Synthesized from Asphalt and Petroleum Coke</i> , pp. 574-577.		
Xu, Kai		China Univ. of Petroleum (Beijing)

15:10-15:25	WeB6.3
<i>Nanomagnetic Logic Devices Fabrication Using Nanoimprint Lithography</i> , pp. 578-581.	
Imtaar, Muhammad Atyab	Tech. Univ. München
Li, Peng	Univ. of Notre Dame
Varga, Edit	Univ. of Notre Dame
Csaba, Gyorgy	Univ. of Notre Dame
Bernstein, Gary	Univ. OF NOTRE DAME
Scarpa, Giuseppe	Tech. Univ. München
Porod, Wolfgang	Univ. of Notre Dame
Lugli, Paolo	Tech. Univ. Muenchen
15:25-15:40	WeB6.4
<i>Monodisperse Colloidal Spheres As Micro-Lenses for Fabrication of Periodic Nanostructures*</i> .	
Mohammadkhani, Ali	Univ. of Birmingham
Jiang, Kyle	Univ. of Birmingham
15:40-15:55	WeB6.5
<i>Fabrication of Suspended Periodic Nanostructures by Induced Material Migration Self-Perfection with Focused Ion Beam</i> , pp. 582-585.	
Zhao, Lurui	Peking Univ.
Li, Can	Univ. of Massachusetts Amherst
xu, jun	Peking Univ.
Wu, Wengang	Peking Univ.
15:55-16:10	WeB6.6
<i>Shrinking of Silicon Nanopore Arrays by Direct Dry-Oxygen Oxidation</i> , pp. 586-589.	
Deng, Tao	Inst. of Microelectronics, Tsinghua Univ.
Chen, Jian	Coll. of Science, Guizhou Univ.
Li, Mengwei	Tsinghua Univ.
Liu, Zewen	Tsinghua Univ.

Thursday August 8, 2013

ThA1	Jade I
Nanomaterials: Nanomaterial/nanoparticles Synthesis I (Oral Session)	
Chair: Hayashi, Yasuhiko	Okayama Univ.
Co-Chair: Dong, Lixin	Michigan State Univ.
08:30-08:45	ThA1.1
<i>Dynamical Mechanism of Formation of Fe Nanoparticles in Tin Bronze Alloys</i> , pp. 590-593.	
Chen, Mingwen	Univ. of Science and Tech. Beijing
Zhang, Wenlong	Univ. of Science and Tech. Beijing
Zuo, Longfei	Univ. of Science and Tech. Beijing
Hou, Bin	Univ. of Science & Tech. Beijing
Wang, Zidong	Univ. of Science and Tech. Beijing
08:45-09:00	ThA1.2
<i>Highly Luminescent ZnS: Mn/ZnS Core Shell Nanoparticles for Solid State Lightning</i> , pp. 594-597.	
Sharma, Manoj	Sri Guru Granth Sahib World Univ.
wei, xueyong	Xi'an Jiaotong Univ.
09:00-09:15	ThA1.3
<i>Graphene-Supported Silver Nanoparticles for Electrocatalytic Oxygen Reduction</i> , pp. 598-601.	
SUN, Hongliang	Yunnan Open Univ.
LU, Guolong	Jilin Univ.
LV, Hongbin	Yunnan Open Univ.
LIU, Zhenning	Jilin Univ.
09:15-09:30	ThA1.4
<i>Layered Metal Systems Inside Multi-Walled Carbon Nanotubes by in Situ Filling Technique</i> , N/A	
Hayashi, Yasuhiko	Okayama Univ.
Tokunaga, Tomoharu	Nagoya Univ.
09:30-09:45	ThA1.5
<i>Fabrication of Gold Multi-Electrode Array with Bi-Layer Lift-Off Resist Technique and Surface Modification with Gold Nanoparticles by Electrochemical Deposition</i> , pp. 604-607.	
Kim, Yong Hee	Electronics & Telecommunications Res. Inst.
Baek, Nam Seob	Electronics and Telecommunications Res. Inst.
Kim, GookHwa	ETRI
KIM, Ah-Young	ELECTRONICS AND TELECOMMUNICATIONS Res. Inst.
Han, Younghwan	ETRI. Electronics and Telecommunications Res. Inst.
Jung, Sang-Don	ETRI
09:45-10:00	ThA1.6
<i>Simulation of Soot Nanoparticles Formation and Oxidation in Non-Premixed Methane-Air Flame at an Elevated Pressure</i> , pp. 608-613.	
Darbandi, Masoud	Sharif Univ. of Tech.
Ghafourizadeh, Majid	Sharif Univ. of Tech.
Jafari, Somaye	Sharif Univ. of Tech.
10:00-10:15	ThA1.7
<i>Space-Charge Dynamics in a Semiconductor Nanoparticle and Its Potential for Terahertz Applications</i> , pp. 614-617.	
Wong, Thomas T Y	Illinois Inst. of Tech.
Shen, Tao	Kunming Univ. of Science and Tech.
Yan, Ming	Agilent
10:15-10:30	ThA1.8
<i>Liquid Pulsed-Discharge Synthesis and In-Situ Crystallization Study of Ni-P Nanoparticles</i> , pp. 618-621.	
Tan, Yuanyuan	[1] National Center for Materials Service Safety, Univ. of
Sun, Dongbai	National Center for Materials Service Safety, Univ. of Scie
Yang, Bin	Univ. of Science and Tech. Beijing
Gong, Yu	Inst. of High Energy Physics, Chinese Acad. of Sciences, &
Yan, Shi	National Center for Materials Service Safety, Univ. of Scie
Du, Rong	Inst. of High Energy Physics, Chinese Acad. of Sciences, &
Xing, xueqing	Inst. of High Energy Physics, Chinese Acad. of Sciences, &
Chen, zhongjun	Inst. of High Energy Physics, Chinese Acad. of Sciences, &

Cai, Quan	Inst. of High Energy Physics, Chinese Acad. of Sciences, &
Wu, zhonghua	Inst. of High Energy Physics, Chinese Acad. of Sciences, &
Yu, Hongying	Univ. of Science and Tech. Beijing
Mo, Guang	Inst. of High Energy Physics, Chinese Acad. of Sciences, &

ThA2		Jade II
Nanomanufacturing (Oral Session)		
Chair: Kim, Hyunse	Korea Inst. of Machinery and Materials	
Co-Chair: Xie, Yu	Xiamen Univ.	
08:30-08:45		ThA2.1
Monte Carlo Simulation of High-Energy Electron Beam Lithography Process, pp. 622-626.		
Pan, Jiang-Yong	Southeast Univ.	
Zhou, Zai-Fa	Southeast Univ.	
Gan, Qi	Southeast Univ.	
Xu, Wen-Qin	Southeast Univ.	
08:45-09:00		ThA2.2
MWEDM Constant Tension Control System, pp. 627-632.		
Huang, Ruining	Harbin Inst. of Tech. Shenzhen Graduate School	
Fang, Xianglong	Harbin Inst. of Tech. Shenzhen Graduate School	
Lou, Yunjiang	Harbin Inst. of Tech. Shenzhen Graduate School	
09:00-09:15		ThA2.3
Design, Fabrication and Performance Test of a 3 MHz Megasonic Waveguide for Nano-Particle Cleaning, pp. 633-636.		
Kim, Hyunse	Korea Inst. of Machinery and Materials	
Lee, Yanglae	Korea Inst. of Machinery and Materials	
Lim, Euisu	Korea Inst. of Machinery and Materials	
09:15-09:30		ThA2.4
Modeling of Reaction Kinetics for SiC CVD Growth Reactor Design, N/A		
TANG, ZHI	KINGWAY Tech.	
Chen, Zhong	Kingway Tech.	
Kuang, Weiwei	Beijing Kingway Tech. Co., Ltd.	
Xu, Jianfeng	Huazhong Univ. of Science and Tech.	
09:30-09:45		ThA2.5
GaN Thin Films Via Pulsed Laser Deposition with ZnO Buffer Layer by Hydrothermal Method, pp. 640-643.		
Wu, Hao-Yu	National Taiwan Univ.	
Cheng, Yu-Wen	National Taiwan Univ. Inst. of Photonics and O	
Lin, Ching-fuh	National Taiwan Univ.	
09:45-10:00		ThA2.6
Fabrication of Large-Scale Suspended Graphene Clamp-Clamp Beam by FIB Cutting, pp. 644-647.		
Zhang, ShiBin	Peking Univ.	
wan, xia	Zhejiang Univ.	
Xu, Yang	ZhejiangUniversity	
Chen, Jing	Peking Univ.	
10:00-10:15		ThA2.7
Simultaneous Diagnostics of Electron Density and Temperature in Micoplasma Reactor for Scanning Plasma Etching, pp. 648-651.		
Wang, Hai	Anhui Pol. Univ.	
10:15-10:30		ThA2.8
Wafer-Scale Synthesis and Transfer of Monolayer Graphene, pp. 652-655.		
Wang, Xueshen	Natioual Inst. of Metrology	
Li, Jinjin	Inst. of Metrology, China	
Zhong, Qing	National Inst. of Metrology	
Zhong, Yuan	National Inst. of Metrology	
Zhao, Mengke	National Inst. of Metrology	

ThA3		Jade III
Nanosensors and Actuators III (Oral Session)		
Chair: Zhang, Kaili	City Univ. of Hong Kong	

Co-Chair: Tan, Qiulin	North Univ. of China
08:30-08:45	ThA3.1
<i>Thermoelastic Analysis for Freestanding Micro-Hotplates for Micro/nano Gas Sensors</i> , pp. 656-659.	
Torabi, Mohsen	City Univ. of Hong Kong
Zhou, Xiang	City Univ. of Hong Kong
Zhang, Kaili	City Univ. of Hong Kong
08:45-09:00	ThA3.2
<i>Flexible and Highly Sensitive Optical Polymeric Strain Gauge</i> , pp. 660-664.	
Dattoma, Tommaso	Istituto Italiano di Tecnologia (IIT)
Grande, Marco	Pol. di Bari
Qualtieri, Antonio	Istituto Italiano di Tecnologia (IIT)
Stomeo, Tiziana	Istituto Italiano di Tecnologia (IIT)
Petruzzelli, Vincenzo	Pol. di Bari
D'Orazio, Antonella	Pol. di Bari
De Vittorio, Massimo	Istituto Italiano di Tecnologia
Rizzi, Francesco	Istituto Italiano di Tecnologia (IIT)
09:00-09:15	ThA3.3
<i>Vapor Sensing Properties of a Conductive Polymer Composite Containing Nickel Particles with Nanoscale Surface Features</i> , pp. 665-670.	
Dempsey, Sarah Jessica	Durham Univ.
Webb, Alexander James	Durham Univ.
Graham, Adam	Durham Univ.
Bloor, David	Durham Univ. Peratech Ltd
Atkinson, Del	Durham Univ.
Szablewski, Marek	Durham Univ.
09:15-09:30	ThA3.4
<i>A Novel Screen-Printed Multi-Component Nanocomposite Ink with a Pressure Sensitive Electrical Resistance Functionality</i> , pp. 671-674.	
Webb, Alexander James	Durham Univ.
Dempsey, Sarah Jessica	Durham Univ.
Bloor, David	Durham Univ. Peratech Ltd
Graham, Adam	Durham Univ.
Laughlin, Paul	Peratech Ltd
Lussey, David	Peratech Ltd
Szablewski, Marek	Durham Univ.
Atkinson, Del	Durham Univ.
09:30-09:45	ThA3.5
<i>Carbon Nanotube Based Gas Sensor for Expiration Detection of Perishable Food</i> , pp. 675-678	
Nguyen, Quoc Huy	Vestfold Univ. Coll.
Ta, Bao Quoc	Vestfold Univ. Coll.
Hoivik, Nils	Vestfold Univ. Coll.
Halvorsen, Einar	Vestfold Univ. Coll.
Aasmundtveit, Knut	Vestfold Univ. Coll.
09:45-10:00	ThA3.6
<i>Highly Sensitive Hydrogen Sensor with a Nano Bumpy Structured Pd Film</i> , pp. 679-681.	
Kim, Bum-Joon	The Univ. of Seoul
Kim, Jung-Sik	The Univ. of Seoul
10:00-10:15	ThA3.7
<i>Pd Modified ZnO Nanorod Based High Dynamic Range Hydrogen Sensor</i> , pp. 682-685.	
Banerjee, Nabaneeta	BESU, shibpur, Howrah
roy, sunipa	Jadavpur Univ. Kolkata
Bhattacharyya, Partha	Bengal Engineering and Science Univ. Shibpur, Howrah, WB,
Sarkar, C.K	Department of Electronics & Telecommunication Engineering, Jadav
10:15-10:30	ThA3.8
<i>Fabrication of Sensor Based on MWCNT for NO2 and NH3 Detection</i> , pp. 686-689.	
Wang, Zhihui	Univ. of Electronic Science and Tech. of China
Chen, Zexiang	Univ. of Electronic Science and Tech. of China

Zhang, JiJun
Tang, Ningjiang
Cai, Jiaoping

Univ. of Electronic Science and Tech. of China
Univ. of Electronic Science and Tech. of China
Univ. of Electronic Science and Tech. of China

ThA4		Diamond II
Nanoelectronics: Circuits and Architecture II (Oral Session)		
Chair: Lugli, Paolo		Tech. Univ. Muenchen
Co-Chair: Lombardi, Fabrizio		Northeastern Univ.
08:30-08:45		ThA4.1
<i>Approximate XOR/XNOR-Based Adders for Inexact Computing</i> , pp. 690-693.		
YANG, ZHIXI		Univ. of Alberta
Jain, Ajaypat		Birla Inst. of Tech. and Science, Pilani
Liang, Jinghang		Univ. of Alberta
Han, Jie		Univ. of Alberta
Lombardi, Fabrizio		Northeastern Univ.
08:45-09:00		ThA4.2
<i>A Comprehensive Majority/Minority Logic Synthesis Method</i> , pp. 694-697.		
Wang, Peng		Univ. of Toledo
Niamat, Mohammed		Univ. of Toledo
Vemuru, Srinivasa		Ohio Northern Univ.
Alam, Mansoor		Univ. of Toledo
Killian, Taylor		Univ. of Toledo
09:00-09:15		ThA4.3
<i>Graphene Self Switching Diodes with High Rectification Ratios</i> , pp. 698-701.		
Al-Dirini, Feras		Univ. of Melbourne
Skafidas, Efstratios		Univ. of Melbourne
Nirmalathas, Ampalavanapillai		Univ. of Melbourne
09:15-09:30		ThA4.4
<i>Efficient Design of Baugh-Wooley Multiplier in Quantum-Dot Cellular Automata</i> , pp. 702-706.		
Pudi, Vikramkumar		Indian Inst. of Tech. Madras
K, Sridharan		IIT Madras
09:30-09:45		ThA4.5
<i>Design and Evaluation of Two MTJ-Based Content Addressable Non-Volatile Memory Cells</i> , pp. 707-712.		
Chen, Ke		Northeastern Univ.
Han, Jie		Univ. of Alberta
Lombardi, Fabrizio		Northeastern Univ.
09:45-10:00		ThA4.6
<i>DC Current Rectification Using Indium-Gallium Zinc Oxide-Based Self-Switching Diodes</i> , pp. 713-716.		
Fryer, Antony Colin		Univ. of Manchester
Ramsdale, Catherine		Pragmatic Printing Limited
Flewitt, Andrew J		Univ. of Cambridge
10:00-10:15		ThA4.7
<i>In-Situ Temperature Measurements of Joule-Heated Graphene Using Near-Infrared CCD Imaging System</i> , pp. 717-721.		
Saito, Takanari		Tokyo Univ. of Agriculture and Tech.
Suda, Ryutaro		Tokyo Univ. of Agriculture and Tech.
Shirakashi, Jun-ichi		Tokyo Univ. of Agriculture and Tech.
10:15-10:30		ThA4.8
<i>Influence of Doping Variation on the Transport Behavior of Aviram-Ratner Molecular Diodes</i> , pp. 722-725.		
Mahmoud, Ahmed		Tech. Univ. Muenchen
Lugli, Paolo		Tech. Univ. Muenchen
ThA5		Diamond III
Nanophotonics II (Oral Session)		
Chair: Lin, Ching-fuh		National Taiwan Univ.
Co-Chair: Yang, Ruiguo		Michigan State Univ.
08:30-08:45		ThA5.1

A High-Throughput and Low-Cost 3D Imaging System for Flowing Escherichia Coli, pp. 726-731.

Lau, Tak Kit	The Chinese Univ. of Hong Kong
Liu, Yunhui	The Chinese Univ. of Hong Kong
LU, Yujie	The Chinese Univ. of Hong Kong
CHEUK, CHI MING	The Chinese Univ. of Hong Kong
Lin, Kai Wun	The Chinese Univ. of Hong Kong

08:45-09:00 ThA5.2

*Enhanced Energy Harvesting Scheme Utilizing Hierarchical Nanostructures**.

Chueh, Yu-Lun	Department of Materials Science and Engineering National Tsing-Hua Univ.
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09:00-09:15 ThA5.3

ZnMnS(PF)ZnO As a Novel Phosphor Material for White Light-Emitting Diodes, N/A

Shen, Pin-Chun	National Taiwan Univ.
Lin, Ming-Shiun	National Taiwan Univ.
Lin, Ching-fuh	National Taiwan Univ.

09:15-09:30 ThA5.4

Analysis of Mutual Electrolyte Structure Applied in Arrayed Flexible Dye-Sensitized Solar Cells, pp. 735-738.

Chuang, Shen Wei	National Yunlin Univ. of Science & Tech.
Chou, Jung-Chuan	National Yunlin Univ. of Science and Tech.
Liao, Yi-Hung	TransWorld Univ.
Hu, Jui-En	National Yunlin Univ. of Science and Tech.
Huang, Shu Huei	National Yunlin Univ. of Science & Tech.
Lin, Shen-Chang	National Yunlin Univ. of Science and Tech.
Chou, Hsueh-Tao	National Yunlin Univ. of Science and Tech.

09:30-09:45 ThA5.5

Nonlinear Electro-Optic Effects in Semi-Parabolic Quantum Dot, pp. 739-742.

Yu, Youbin	Nanjing Forestry Univ.
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09:45-10:00 ThA5.6

Rapidly Characterize Structural Qualities of Large-Area Graphene by Optical Anisotropy, pp. 743-746.

Liu, Yu-Lun	National Taiwan Univ.
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10:00-10:15 ThA5.7

Linear and Nonlinear Optical Absorptions in One-Dimensional Quantum Dot with Semi-Parabolic Confining Potential, pp. 747-751.

Yu, Youbin	Ningbo Univ. of Tech.
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10:15-10:30 ThA5.8

Quantum Secure Direct Communication Network, pp. 752-755.

Wang, Shiou-An	Delin Inst. of Tech.
Lu, Chin-Yung	Delin Inst. of Tech.

ThB1 Jade I

Nanomaterials: Nanomaterial/nanoparticles Synthesis II (Oral Session)

Chair: Tao, Xinyong	Zhejiang Univ. of Tech.
Co-Chair: Wang, Xinnan	North Dakota State Univ.

10:50-11:05 ThB1.1

Influence of Gas Condition and Growth Time on the Growth of a Spin-Capable Multi-Walled Carbon Nanotube, pp. 756-759.

Lee, GilSik	The Univ. of Texas at Dallas
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11:05-11:20 ThB1.2

Synthesis-Property Relationships of Electrochemically Grown Metal Nanowires, pp. 760-763.

Graf, Matthias	Tech. Univ. Dresden, Electronics Packaging Laboratory
Wolter, Klaus-Jurgen	TU Dresden
Eychmüller, Alexander	Tech. Univ. Dresden

11:20-11:35 ThB1.3

Synthesis of Cu and Fe-Doped ZnO Nano-Rod by Hydrolysis of Metal Powders, pp. 764-767.

Uhm, Young Rang	Korea Atomic Energy Res. Inst.
Rhee, Chang Kyu	Korea Atomic Energy Res. Inst. (KAERI)
Sun Ju, Choi	Korea Atomic Energy Res. Inst.

11:35-11:50	ThB1.4
<i>Nanostructured PVP/SiO₂ Antireflective Coating for Solar Panel Applications</i> , pp. 768-771.	
Zou, Min	Univ. of Arkansas
Thompson, Corey	Univ. of Arkansas
11:50-12:05	ThB1.5
<i>A Novel Crabshell Bio-Template Route to Synthesize Hierarchically Ordered Carbon Materials</i> , pp. 772-773.	
SUI, Wubin	Zaozhuang Univ.
12:05-12:20	ThB1.6
<i>Synthesis of ZnO Nanowires Using Lower Temperature Vapor Based Methods</i> , pp. 774-777.	
Senveli, Sukru U.	Univ. of Miami
Gomez, Jorge L.	Univ. of Miami
Tigli, Onur	Univ. of Miami
ThB2	Jade II
Nanomagnetics and Spintronics (Oral Session)	
Chair: Cahay, Marc	Univ. of Cincinnati
Co-Chair: ZHAO, Jiahao	Tsinghua Univ.
10:50-11:05	ThB2.1
<i>One Dimensional Cellular Array of In-Plane Spin Torque Oscillators</i> , pp. 778-783.	
Horvath, Andras	Pazmany Peter Catholic Univ.
Stubendek, Attila	Pazmany Peter Catholic Univ.
Roska, Tamas	Pazmany Peter Catholic Univ.
11:05-11:20	ThB2.2
<i>Quantum Mechanics and Spin-Valves</i> , pp. 784-788.	
Prevenslik, Thomas	QED Radiations
11:20-11:35	ThB2.3
<i>Fabricate High Performance RF-MEMS Inductor with a Smart Nano Magnetic Granular Film According to Function Purpose</i> , pp. 789-793.	
ZHAO, Jiahao	Tsinghua Univ.
11:35-11:50	ThB2.4
<i>Magnetic Vortex Core for High Resolution Magnetic Force Microscopy</i> , pp. 794-797.	
Liu, Xiaoxi	Shinshu Univ.
11:50-12:05	ThB2.5
<i>Quantum Walks for Crossed Cubes</i> , pp. 798-801.	
Lin, Tien-Sheng	Lan Yang Inst. of Tech.
Chang, Ting-Hsu	National Taiwan Univ.
Chien, Chia-Hung	National Taiwan Univ.
Wang, Shiou-An	Delin Inst. of Tech.
Kuo, Sy-Yen	National Taiwan Univ.
12:05-12:20	ThB2.6
<i>Low Quantum Cost Realization of Generalized Peres and Toffoli Gates with Multiple-Control Signals</i> , pp. 802-807.	
Szyprowski, Marek	Warsaw Univ. of Tech.
Kerntopf, Pawel	Warsaw Univ. of Tech.
ThB3	Jade III
Nanomanipulation (Oral Session)	
Chair: Xie, Hui	Sanford-Burnham Medical Res. Inst.
Co-Chair: Xu, Qingsong	Univ. of Macau
10:50-11:05	ThB3.1
<i>Nanomechanical Characterization of Graphene Platelets in Polypropylene-Based Graphene Nanocomposites Using Atomic Force Microscopy</i> , pp. 808-812.	
Camacho, Jorge	Univ. of Wisconsin Platteville
Gronski, Kjerstin	Univ. of Wisconsin Platteville
Flaig, Robinson	Univ. of Wisconsin Platteville
Wu, Yan	Univ. of Wisconsin Platteville
Hamilton, James	Univ. of Wisconsin Platteville

11:05-11:20	ThB3.2
<i>Optical Manipulation of Biological Cell without Measurement of Cell Velocity</i> , pp. 813-816.	
Cheah, C. C.	Nanyang Tech. Univ.
Li, Xiang	Nanyang Tech. Univ.
Yan, Xiao	City Univ. of Hong Kong
Sun, Dong	City Univ. of Hong Kong
11:20-11:35	ThB3.3
<i>Design of a Monolithic Dual-Axis Electrostatic Actuation MEMS Microgripper with Capacitive Position/Force Sensors</i> , pp. 817-820.	
Jia, Yukun	Univ. of Macau
Xu, Qingsong	Univ. of Macau
11:35-11:50	ThB3.4
<i>Error Analysis of Stiffness in Double Parallel Four-Bar Mechanism</i> , pp. 821-824.	
Long, Zhili	Harbin Inst. of Tech. Shenzhen Graduate School
Nian, Longsheng	State Key Lab. for Manufacturing Systems Engineering, Xi'an Jiaot
Zhang, Lufan	Xi'an Jiaotong Univ.
Fang, Jiwen	Xi'an Jiaotong Univ.
11:50-12:05	ThB3.5
<i>On the Study of Statics and Stiffness of a 6-PSS Parallel Micro-Manipulator with Perpendicular Structures</i> , pp. 825-828.	
Zhang, Jianjun	School of mechanical Engineering, Hebei Univ. of Tech.
12:05-12:20	ThB3.6
<i>Structure Analysis of Nano-Scale Dual-Step Fabricated by Focused Ion Beam</i> , pp. 829-832.	
Chenying, Wang	Xi'an Jiaotong Univ.
Zhuangde, Jiang	Xi'an Jiaotong Univ.
Shuming, Yang	Xi'an Jiaotong Univ.
Jing, Weixuan	xi'an jiaotong Univ.
Lin, Qijing	Xi'an Jiaotong Univ.
Han, Feng	Xi'an Jiaotong Univ.
ThB4	Diamond II
Nanoelectronics: Nanotubes and Nanowires II (Oral Session)	
Chair: Nakamura, Hajime	IBM Res. Tokyo
Co-Chair: Cai, Xinxia	Inst. of Electronics, Chinese Acad. of Sciences,
10:50-11:05	ThB4.1
<i>Development and Optimisation of a Zinc Oxide Nanogenerator</i> , pp. 833-836.	
van den Heever, Thomas Stanley	Stellenbosch Univ.
11:05-11:20	ThB4.2
<i>Resonant Tunneling through Interface Traps in Nanowire Tunneling FET</i> , pp. 837-840.	
nakamura, hajime	IBM Res. Tokyo
11:20-11:35	ThB4.3
<i>High-Field Magnetoresistance Effects and Temperature-Dependent Spin Relaxation in Rubrene Nanowire Spin Valves</i> , pp. 841-844.	
Alam, Kazi	Univ. of Alberta
Bodepudi, Srikrishna	Univ. of Alberta
Starko-Bowes, Ryan	Univ. of Alberta
Pramanik, Sandipan	Univ. of Alberta
11:35-11:50	ThB4.4
<i>Reliability of Carbon Nanotube Bumps for Chip on Film Application</i> , pp. 845-848.	
Li, Xiaolei	Shanghai Univ.
Mu, Wei	Chalmers Univ. of Tech.
Jiang, Di	Chalmers Univ. of Technology
Fu, Yi-feng	SHT Smart High Tech. AB
Zhang, Yan	Shanghai Univ.
Liu, Johan	Chalmers Univ. of Tech.
11:50-12:05	ThB4.5
<i>Size-Dependent Characteristics of Highly-Scalable In₂Se₃ Nanowire Phase-Change Random Access Memory</i> , pp. 849-852.	

Jin, Bo	Div. of IT Convergence Engineering, Pohang Univ. of Sci
Kim, Jungsik	POSTECH
Kang, Daegun	Pohang Univ. of Science and Tech.
Meyyappan, M.	NASA Ames Res. Center
Lee, Jeong-Soo	POSTECH
12:05-12:20	ThB4.6
<i>Modeling of Optimum Chiral Carbon Nanotube Using DFT</i> , pp. 853-857.	
Farhana, Soheli	International Islamic Univ. Malaysia
Alam, AHM Zahirul	International Islamic Univ. Malaysia
Khan, Sheroz	International Islamic Univ. Malaysia
Motakabber, SMA	International Islamic Univ. Malaysia
ThB5	Diamond III
Nanophotonics III (Oral Session)	
Chair: Weng, Zhankun	changchun Univ. of Science and Tech.
Co-Chair: Sun, Dong	City Univ. of Hong Kong
10:50-11:05	ThB5.1
<i>Study of Top ITO Nano-Gratings on GaN LEDs</i> , pp. 858-861.	
Halpin, Gabriel	California Pol. State Univ.
Jin, Xiaomin	California Pol. State Univ.
Fu, Xing-Xing	Peking Univ.
Kang, Xiang-Ning	Peking Univ.
Zhang, Guo-yi	Peking Univ.
11:05-11:20	ThB5.2
<i>Transmission Efficiency Study of Nano-Grating Location on GaN LEDs</i> , pp. 862-865.	
Aleman, Gabriela	California Pol. State Univ.
Chico, Juliet	California Pol. State Univ.
Jin, Xiaomin	California Pol. State Univ.
Fu, Xing-Xing	Peking Univ.
Kang, Xiang-Ning	Peking Univ.
Zhang, Guo-yi	Peking Univ.
11:20-11:35	ThB5.3
<i>An Efficient Controlled Bidirectional Quantum Secure Direct Communcion by Using Only EPR Pairs</i> , pp. 866-871.	
Chou, Yao-Hsin	National Chi-Nan Univ.
Lin, Fang-Jhu	National Chi-Nan Univ.
Zeng, Guo-Jyun	National Chi-Nan Univ.
11:35-11:50	ThB5.4
<i>Photoluminescence of High-Density and Sub-20-Nm GaAs Nanodisks Fabricated with a Neutral Beam Etching Process and MOVPE Regrowth for High Performance QDs Devices</i> , pp. 872-875.	
tamura, yosuke	Tohoku Univ.
Higo, Akio	Tohoku Univ.
kiba, takayuki	Hokaido Univ.
Yunpeng, Wang	Univ. of Tokyo
igarashi, makoto	Inst. of Fluid Science
thomas, cedric	Inst. of Fluid Science
hu, weiguo	Inst. of Fluid Science
mohd, fauzi	Inst. of Fluid Science
murayama, akihiro	Hokaido Univ.
Sugiyama, Masakazu	The Univ. of Tokyo
nakano, yoshiaki	Tokyo Univ.
Samukawa, Seiji	Tohoku Univ.
11:50-12:05	ThB5.5
<i>Investigation of TiO₂-SiO₂-Fe₃O₄ Core-Shell Nanoparticle Properties with Different Functional Layer Thickness</i> , pp. 876-879.	
Li, Junyang	North Univ. of China,National Key Lab. for Electronic
Xue, Chenyang	North Univ. of China,National Key Lab. for Electronic
Zhang, Qiang	North Univ. of China,National Key Lab. for Electronic
Gao, Libo	North Univ. of China,National Key Lab. for Electronic

Hai, Zhenyin	North Univ. of China, National Key Lab. for Electronic
Xu, Hongyan	North Univ. of China, National Key Lab. for Electronic
Sun, Dong	City Univ. of Hong Kong
12:05-12:20	ThB5.6
<i>The Investigation of Surface Roughness of Substrate on Electrochromic Characteristics for PMeT Thin Film</i> , pp. 880-884.	
YANG, CHENG JUNG	National Yunlin Univ. of Science and Tech.
Chou, Jung-Chuan	National Yunlin Univ. of Science and Tech.
Liao, Yi-Hung	TransWorld Univ.
Liu, Chia-Yu	National Yunlin Univ. of Science and Tech.
Ho, Pei-An	National Yunlin Univ. of Science and Tech.
Huang, Chien-Jung	National Yunlin Univ. of Science & Tech.
Chou, Hsueh-Tao	National Yunlin Univ. of Science and Tech.
ThC1	Jade I
Nanomaterials: Graphene (Oral Session)	
Chair: Sarto, Maria Sabrina	Sapienza Univ. of Rome
Co-Chair: Dong, Lixin	Michigan State Univ.
13:30-13:45	ThC1.1
<i>Effect of Sonication on Morphology and Dc Electrical Conductivity of Graphene Nanoplatelets-Thick Films</i> , pp. 885-889.	
De Bellis, Giovanni	Sapienza Univ. of Rome, DIAEE, CNIS
Bregnocchi, Agnese	Sapienza Univ. of Rome
Di Cio', Stefania	Sapienza Univ. of Rome
Tamburrano, Alessio	Sapienza Univ. of Rome, DIAEE, CNIS
Sarto, Maria Sabrina	Sapienza Univ. of Rome
13:45-14:00	ThC1.2
<i>Direct Measurement of Graphene Contact Resistivity to Pre-Deposited Metal in Buried Contact Test Structure</i> , pp. 890-893.	
Qaisi, Ramy	KING ABDULLAH Univ. OF SCIENCE AND Tech.
Smith, Casey	KING ABDULLAH Univ. OF SCIENCE AND Tech.
Ghoneim, Mohamed	KING ABDULLAH Univ. OF SCIENCE AND Tech.
Yu, Qingkai	TEXAS STATE Univ.
HUSSAIN, MUHAMMAD	KING ABDULLAH Univ. OF SCIENCE AND Tech. (KAUST)
14:00-14:15	ThC1.3
<i>A New Multi-Physics Molecular Dynamics Finite Element Method for Designing Graphene Based Nano-Structures</i> , pp. 894-898.	
Wilmes, Andre Antoine Renaud	Imperial Coll. London
Pinho, Silvestre Taveira	Imperial Coll. London
14:15-14:30	ThC1.4
<i>Low Temperature Growth of Graphene-Based Electrodes for OSCs</i> , pp. 899-902.	
Sulaiman, Kasman	Univ. of Newcastle
Belcher, Warwick	Univ. of Newcastle
Dastoor, Paul	Univ. of Newcastle
Zhou, Xiaojing	Univ. of Newcastle
14:30-14:45	ThC1.5
<i>Raman Spectroscopy Study of Low Energy He+ Ion Irradiation Effect in Graphene Transferred Onto SiO₂</i> , pp. 903-906.	
Deng, Chenxing	IEF, Univ. Paris-Sud
Lin, Weiwei	Univ. Paris-Sud - CNRS
Eimer, Sylvain	IEF, Univ. of Paris-Sud
Ravelosona, Dafiné	IEF, Univ. Paris-Sud, CNRS
Chappert, Claude	IEF, Univ. Paris-Sud, CNRS
Zhao, Weisheng	IEF, Univ. Paris-Sud, CNRS
14:45-15:00	ThC1.6
<i>Harnessing the Synergistic Cooperation of Silver Nanowires and Graphene for Enhanced Electrochemical Detection of Hydrogen Peroxide</i> , pp. 907-912.	
Wang, Zuankai	City Univ. of Hong Kong
15:00-15:15	ThC1.7
<i>A Molecular Dynamics Study about Two Way Tuning of Thermal Conductivity in Graphene Sheets: Strain and Doping</i> , pp. 913-916.	

Li, Chengjian	Clemson Univ.
Li, Gang	Clemson Univ.
Zhao, Huijuan	Clemson Univ.
15:15-15:30	ThC1.8
<i>Damage-Less Graphene Etching by Oxygen Neutral Beam for Graphene Nanoribbon Fabrication</i> , pp. 917-920.	
Wada, Akira	Tohoku Univ.
Igarashi, Koki	Tohoku Univ.
Okada, Takeru	Tohoku Univ.
Samukawa, Seiji	Tohoku Univ.
ThC2	Jade II
Nanomaterials: Characterization and Applications II (Oral Session)	
Chair: Lau, Denvi	City Univ. of Hong Kong
Co-Chair: Wu, Wengang	Peking Univ.
13:30-13:45	ThC2.1
<i>Evaluation of Thermal Performance for Water-Based SiO₂ Nanofluids</i> , pp. 921-924.	
Lee, Seung-Hyun	Korea Aerospace Univ.
Kim, Kyu Han	Korea Aerospace Univ.
Park, Yong-Jun	Korea Aerospace Univ.
Jang, Seok Pil	Korea Aerospace Univ.
13:45-14:00	ThC2.2
<i>Moisture Effects on Nano-Mechanical Properties of Epoxy-Based Materials</i> , pp. 925-928.	
Lau, Denvi	City Univ. of Hong Kong
14:00-14:15	ThC2.3
<i>Biodiesel Production Catalyzed by Strontium-Based Mixed Oxides</i> , pp. 929-932.	
FAUNGNAWAKIJ, KAJORNSAK	National Science and Tech. Development Agency
14:15-14:30	ThC2.4
<i>Supercapacitors Based on Composite Material of MnO₂ and Carbon Nanotubes</i> , pp. 933-936.	
Fan, Jianghua	Univ. of Electronic Science and Tech. of China
Chen, Zexiang	Univ. of Electronic Science and Tech. of China
Tang, Ningjiang	Univ. of Electronic Science and Tech. of China
Li, Hai	Univ. of Electronic Science and Tech. of China
Yin, Yi	Univ. of Electronic Science and Tech. of China
14:30-14:45	ThC2.5
<i>Mechanics and Electricity Properties of Cu/Ti Thin Film</i> , pp. 937-941.	
Lin, Qijing	Xi'an Jiaotong Univ.
Shuming, Yang	Xi'an Jiaotong Univ.
Chenyong, Wang	Xi'an Jiaotong Univ.
Zhuangde, Jiang	Xi'an Jiaotong Univ.
Li, Lei	Xi'an Jiaotong Univ.
14:45-15:00	ThC2.6
<i>Mechanical Properties of a Novel Nano-Thermal Interface Material</i> , pp. 942-945.	
peng, wanli	shanghai Univ.
Liu, Johan	Chalmers Univ. of Tech.
Zandén, Carl	Chalmers Univ.
Ye, Lilei	Chalmers Univ.
Lu, Xiuzhen	Shanghai Univ.
15:00-15:15	ThC2.7
<i>Thermoelectric Generator Device Based on Carbon Nanotube Membrane</i> , pp. 946-949.	
Huang, Wenbin	National Center for Nanoscience and Tech.
15:15-15:30	ThC2.8
<i>Study on Polysilicon Resistivity Control with Nano-Scale Grain Size</i> , pp. 950-953.	
Guo, Xin	Tsinghua Univ.
Li, Mengwei	Tsinghua Univ.
Li, Ling	Tsinghua Univ.
Liu, Pengyu	Guizhou Univ.
Zhao, Chenxu	Tsinghua Univ.

ThC3	Jade III
Nanosensors and Actuators IV (Oral Session)	
Chair: Kim, Jung-Sik	The Univ. of Seoul
Co-Chair: Fan, Zheng	Michigan State Univ.
13:30-13:45	ThC3.1
<i>Development of Ferromagnetic Shape Memory Alloy - Silicon Bimorph Nanoactuators</i> , pp. 954-957.	
Lay, Christian	Karlsruhe Inst. of Tech. Inst. of Microstructure T
Aseguinolaza, Iván	BCMaterials, Univ. of the Basque Country (UPV/EHU), Bilbao,
Chernenko, Volodymyr	BCMaterials, Univ. of the Basque Country (UPV/EHU), Spain
Kohl, Manfred	Karlsruhe Inst. of Tech. (KIT)
13:45-14:00	ThC3.2
<i>Glycothermal Synthesis of Urchin-Like Vanadium Pentoxide Nanostructure for Gas Sensing</i> , pp. 958-961.	
Fu, Haitao	School of Material Science & Engineering, Univ. of New Sout
Yang, Xiaohong	School of Material Science & Engineering, Univ. of New Sout
Jiang, Xuchuan	School of Material Science & Engineering, Univ. of New Sout
Yu, Aibing	The Univ. of New South Wales
14:00-14:15	ThC3.3
<i>Piezoelectric Performance of Aligned PVDF Nanofibers Fabricated by Electrospinning and Mechanical Spinning</i> , pp. 962-966.	
Yu, Lingke	Xiamen Univ.
Wang, Shen	Department of Mechanical & Electrical Engineering, Xiamen Univ.
Li, Yipan	Xiamen Univ.
Chen, Daner	Xiamen Univ.
Liang, Chuwei	Xiamen Univ.
Lei, Tingping	Xiamen Univ.
Sun, Daoheng	Xiamen Univ.
Zhao, Yang	Xiamen Univ.
Wang, Lingyun	Xiamen Univ.
14:15-14:30	ThC3.4
<i>Fabrication of Large-Area Plasmonic Nanostructures for Surface Enhanced Fluorescence</i> , pp. 967-970.	
Chen, Ya	Aalto Univ.
Shah, Ali	Aalto Univ.
Pale, Ville	Aalto Univ.
Tittonen, Ilkka	Aalto Univ.
Lipsanen, Harri	Aalto Univ.
14:30-14:45	ThC3.5
<i>Electrical Interconnect in MEMS/NEMS Devices by Au/a-Si Eutectic Reaction</i> , pp. 971-974.	
Huang, Xian	Peking Univ.
Zhao, Danqi	Peking Univ.
He, Jun	Peking Univ.
Fan, Xuejiao	Peking Univ.
Yang, Fang	Peking Univ.
Zhang, Dacheng	Peking Univ.
14:45-15:00	ThC3.6
<i>Silver Surface-Enhanced Raman Scattering Substrates Prepared by a Nanofabrication Process Using Electron Beam Lithography and Magnetron Sputtering</i> , pp. 975-976	
Zhang, Wenjun	Huazhong Univ. of Science and Tech.
Nan, Pengfei	Fudan Univ.
Lu, Bing-Rui	Fudan Univ.
Yifang, Chen	Fudan Univ.
Pankaj, Vadgama	Queen Mary Univ. of London
Qu, Xin-Ping	Fudan Univ.
15:00-15:15	ThC3.7
<i>Nanofabrications of Compound Si/Au Fresnel Phase Zone Plates for X-Ray Optics with High Thermal Conductivity and Maximum Diffraction Efficiency</i> , N/A	
Yifang, Chen	Fudan Univ.

Tian, Yingtao	Univ. of Birmingham
Lu, Bingrui	Fudan Univ.
Shao, Jinhai	Fudan Univ.
Ma, Yaqi	Fudan Univ.
15:15-15:30	ThC3.8
<i>A Planar Microelectrode Array Modified by Nanoparticles for Monitoring of Electrophysiological Activity of Cortical Neurons Modulated by Chemical Stimulation</i> , pp. 980-984.	
Liu, Chunxiu	Inst. of Electronics
Lin, Nansen	Inst. of Electronics, Chinese Acad. of Sciences,
Song, Yilin	Inst. of Electronics, Chinese Acad. of Sciences,
Cai, Xinxia	Inst. of Electronics, Chinese Acad. of Sciences,
ThC4	Diamond II
Nanoelectronics: Circuits and Architecture III (Oral Session)	
Chair: Kim, Kyung Rok	UNIST
13:30-13:45	ThC4.1
<i>Solution of Quantum Wave Equations Using Cardinal Sine Functions</i> , pp. 985-988.	
Marconcini, Paolo	Univ. di Pisa
13:45-14:00	ThC4.2
<i>Influence of Symmetry on the Conductance of a Graphene Double Dot</i> , pp. 989-992.	
Marconcini, Paolo	Univ. di Pisa
14:00-14:15	ThC4.3
<i>Accurate Calculation of Quantum Kinetic Energy of Single-Electron Transistor at Room Temperature</i> , pp. 993-996.	
Chen, Xiaobao	National Univ. of Defense Tech.
Xing, Zuocheng	National Univ. of Defense Tech.
Sui, Bingcai	National Univ. of Defense Tech.
14:15-14:30	ThC4.4
<i>Novel Tri-State Inverter Based on Junction Band-To-Band Tunneling-Enhanced Silicon Nanoscale CMOS Technology</i> , pp. 997-1000.	
Kim, Yosep	UNIST
Shin, Sunhae	Ulsan National Inst. of Science and Tech. (UNIST)
Kim, Kyung Rok	UNIST
14:30-14:45	ThC4.5
<i>On Introducing of State Number Density Function for Discrete Energy Level Quantum Dot Transistor</i> , pp. 1001-1006.	
Fujihashi, Chugo	Tokyo Pol. Univ.
14:45-15:00	ThC4.6
<i>Effect of Parasitic Capacitances and Resistances on the RF Performance of Nanoscale MOSFETs</i> , pp. 1007-1010.	
Lam, Sang	Xi'an Jiaotong-Liverpool Univ.
Chan, Mansun	Hong Kong Univ. of Science and Tech.
15:00-15:15	ThC4.7
<i>Characterization and Interface Modification of Pentacene-Based Organic Thin-Film Transistors with a Poly(methyl Methacrylate) Dielectric Layer and MoO₃/Au Bilayer Electrodes</i> , N/A	
Huang, Chun-Yuan	National Taitung Univ.
Feng, Jhih-Jie	Department of Applied Science, National Taitung Univ.
Tsai, Nian-Ting	Department of Applied Science, National Taitung Univ.
Chen, Yi-Hua	Department of Applied Science, National Taitung Univ.
15:15-15:30	ThC4.8
<i>Schottky Barrier Lowering Effect in AlGaIn/GaN Heterostructure SBDs Using Nano-Particles</i> , pp. 1014-1017.	
Kang, Min-Seok	Kwangwoon Univ.
Lee, Hyung-Seok	Massachusetts Inst. of Tech.
Lee, Jung-Ho	Kwangwoon Univ.
Koo, Sang-Mo	Kwangwoon Univ.

ThC5	Diamond III
Nanofabrication II (Oral Session)	
Chair: Marti, James	Univ. of Minnesota

13:30-13:45	ThC5.1
<i>Feasibility Study for Development of a Carbon-Based MEMS/NEMS Using HOPG and a MEMS Fabrication Process</i> , pp. 1018-1021.	
Sone, Junji	Tokyo Pol. Univ.
13:45-14:00	ThC5.2
<i>A Hands-On Laboratory for Teaching Microfabrication</i> , pp. 1022-1025.	
Marti, James	Univ. of Minnesota
Sibakoti, Mandip	Univ. of Minnesota
Jalali, Mayam	Univ. of Minnesota
Campbell, Stephen	Univ. of Minnesota
14:00-14:15	ThC5.3
<i>Single Layer Graphene Nano-Patterning Based on Local Anodic Lithography in Ambient Conditions</i> , pp. 1026-1029.	
WU, XUAN	MEMS and Nanotechnology Lab. School of Mechanical Systems
Lee, Dong-weon	Chonnam National Univ.
14:15-14:30	ThC5.4
<i>Fabrication of Large-Scaled Synergetic Silicon Nanowire Arrays Using Metal-Assisted Chemical Etching for Solar Cell Applications</i> , pp. 1030-1033.	
Liu, Chien-Ting	National Taiwan Univ.
Hsueh, Chen-Chih	National Taiwan Univ.
Subramani, Thiyaagu	National Taiwan Univ.
Lin, Tzu-Ching	National Taiwan Univ.
Lin, Ching-fuh	National Taiwan Univ.
14:30-14:45	ThC5.5
<i>AC Electrodeposition and Plasmonic Properties of Silver Nanowires in Porous Anodic Alumina Templates</i> , pp. 1034-1037.	
Alemu, Negash	State Key Lab. of Solidification Processing, Northwestern
Chen, Fuyi	State Key Lab. of Solidification Processing, Northwestern
Zhang, Jinsheng	State Key Lab. of Solidification Processing, Northwestern
14:45-15:00	ThC5.6
<i>Growth of ZnO Nanowires on Flexible Polyimide Substrates</i> , pp. 1038-1041.	
Gao, Yongji	Peking Univ.
Zhang, Shouldhe	Peking Univ.
Zhang, Haixia	Peking Univ.
15:00-15:15	ThC5.7
<i>Fabrication of Aperiodic Subwavelength Nanostructures by Grayscale Interference Lithography (GIL)</i> , pp. 1042-1045.	
Choi, Hyungryul	Massachusetts Inst. of Tech.
Kim, Jeong-Gil	Massachusetts Inst. of Tech.
Barbastathis, George	Massachusetts Inst. of Tech.
15:15-15:30	ThC5.8
<i>Embedded Seal Cavity Preparation Technology Based on the Zirconia</i> , pp. 1046-1049.	
LI, CHEN	north Univ. of china
ThD1	Jade I
Nanomaterials: Nanomaterial/nanoparticles Synthesis III (Oral Session)	
Chair: Wang, Xinnan	North Dakota State Univ.
Co-Chair: Tao, Xinyong	Zhejiang Univ. of Tech.
16:00-16:15	ThD1.1
<i>Electrochemical Studies of Carbon Coated LiFePO₄ Doped with Tungsten</i> , pp. 1050-1053.	
Arava, Hanu	Texas State Univ.
Fang, Hui	Sam Houston State Univ.
Zhang, Lu-Lu	Huazhong Univ. of Science and Tech.
Liang, Gan	Sam Houston State Univ.
Hill, Jacob	Sam Houston State Univ.
16:15-16:30	ThD1.2
<i>Two-Stage Model of Quantum Cones Formation on a Surface of Semiconductors by Laser Radiation</i> , pp. 1054-1057.	
Medvids, Arturs	Riga Tech. Univ.
Onufrijevs, Pavels	Riga Tech. Univ.
Dauksta, Edvins	Riga Tech. Univ.

16:30-16:45	ThD1.3
<i>Fabrication of Gallium Nitride on Sapphire Via Pulsed Laser Deposition under Different Pressure and Energy</i> , pp. 1058-1061.	
Cheng, Yu-Wen	National Taiwan Univ. Inst. of Photonics and O
Wu, Hao-Yu	National Taiwan Univ.
Lin, Ching-fuh	National Taiwan Univ.
16:45-17:00	ThD1.4
<i>Facile Synthesis of Ultrasmall Gold Nanoparticles by a Gas-Liquid Interfacial Plasma</i> , pp. 1062-1066.	
Liu, Ting	China Univ. of Petroleum (Beijing)
17:00-17:15	ThD1.5
<i>Enzyme-Free Electroreduction of Hydrogen Peroxide at Polypyrrole/Graphene/Au Microelectrode Based on Three-Electrode-System Array</i> , pp. 1067-1070.	
Yu, Yuhua	Fudan Univ.
Chen, Jianfeng	Fudan Univ.
Zhou, Jia	Fudan Univ.
17:15-17:30	ThD1.6
<i>Relaxation Properties of Single Layer Graphene Sheets on Copper Substrates</i> , pp. 1071-1074.	
Wang, Weidong	Xidian Univ.
17:30-17:45	ThD1.7
<i>Formation of Charge-Transfer Complex and Enlarging the Absorption Ability of MEH-PPV by Ag-Graphene Nanocomposite</i> , pp. 1075-1080.	
Ran, Chenxin	Xi'an Jiaotong Univ.
Wang, Minqiang	Xi'an Jiaotong Univ.
Gao, Weiyin	Xi'an Jiaotong Univ.
Yang, Zhi	Xi'an Jiaotong Univ.
Zhang, Xiangyu	Xi'an Jiaotong Univ.
ThD2	Jade II
Nanomaterials: Characterization and Applications III (Oral Session)	
Chair: Liu, Johan	Chalmers Univ. of Tech.
Co-Chair: Shi, Peng	City Univ. of Hong Kong
16:00-16:15	ThD2.1
<i>Influence of Molecule-Substrate Interaction on Component Composition of Cyanine Thin Films</i> , pp. 1081-1084.	
Starovoytov, Anton	National Res. Univ. of Information Tech. Mechan
Kaliteevskaya, Elena	National Res. Univ. of Information Tech. Mechan
Krutyakova, Valentina	National Res. Univ. of Information Tech. Mechan
Razumova, Tatiana	National Res. Univ. of Information Tech. Mechan
16:15-16:30	ThD2.2
<i>Experimental Study on Electrical Properties and Stability of CNT Bumps in High Density Interconnects</i> , pp. 1085-1088.	
Zhang, Yan	Shanghai Univ.
Zhou, Ying-jie	Shanghai Univ.
Fan, Jing-yu	Shanghai Univ.
Jiang, Di	Chalmers Univ. of Technology
Ma, Shi-wei	Shanghai Univ.
Liu, Johan	Chalmers Univ. of Tech.
Fu, Yi-feng	SHT Smart High Tech. AB
16:30-16:45	ThD2.3
<i>Development of Scratch Resistance SiO₂ Nanocomposite Coating for Teak Wood</i> , pp. 1089-1092.	
Kanokwijitsilp, Thananthorn	Mahidol Univ.
Osotchan, Tanakorn	Mahidol Univ.
Srikhirin, Toemsak	Mahidol Univ.
16:45-17:00	ThD2.4
<i>Synthesis and Characterization of Sodium Tungsten Bronze Nanorods for Electrochromic Smart Window Applications</i> , pp. 1093-1096.	
Gao, Tao	Norwegian Univ. of Science and Tech. (NTNU)
Jelle, Bjørn Petter	SINTEF
Gustavsen, Arild	NTNU

17:00-17:15	ThD2.5
<i>Photoluminescence Properties of ZnO Nanowire Arrays Fabricated on Silicon Substrate</i> , pp. 1097-1100.	
Ishiyama, Takeshi	Toyohashi Univ. of Tech.
Fujii, Tsutomu	Toyohashi Univ. of Tech.
Ishii, Yuya	Toyohashi Univ. of Tech.
Fukuda, Mitsuo	Toyohashi Univ. of Tech.
17:15-17:30	ThD2.6
<i>Investigation of Nanoparticle Properties in Enhancing Hyperthermia Treatment</i> , pp. 1101-1106.	
Aldhaeebi, Maged Abdullah	King Saud Univ.
Alzabidi, Mohammed	King Saud Univ.
Elshafiey, Ibrahim	King Saud Univ.
17:30-17:45	ThD2.7
<i>Quantum Correction and Phonon Density of States Analysis for Thermal Conductivity of Single Walled Carbon Nanotube with Finite Length</i> , pp. 1107-1110.	
Yang, Xueming	North china electric power Univ.
bian, jifei	North China Electric Power Univ. Baoding 071003, China
ThD3	Jade III
Nanosensors and Actuators V (Oral Session)	
Chair: Hao, Ling	National Physical Lab.
Co-Chair: Wu, Zhizheng	Shanghai Univ.
16:00-16:15	ThD3.1
<i>Planar Technology Integration of Monocrystalline Silicon-Membranes Using Nanoholes</i> , pp. 1111-1114.	
Ebschke, Sven	TU Dortmund Univ.
Poloczek, Remigius	TU Dortmund Univ.
Kallis, Klaus	TU Dortmund Univ.
Fielder, Horst	TU Dortmund Univ.
16:15-16:30	ThD3.2
<i>Temperature Dependence of Non-Linear Electrical Conduction Behavior in a Screen-Printed Multi-Component Nanocomposite</i> , pp. 1115-1118.	
Webb, Alexander James	Durham Univ.
Bloor, David	Durham Univ. Peratech Ltd
Szablewski, Marek	Durham Univ.
Atkinson, Del	Durham Univ.
16:30-16:45	ThD3.3
<i>Multi-Functional MEMS/NEMS for Nanometrology Applications</i> , pp. 1119-1124.	
Hao, Ling	National Physical Lab.
Gallop, John	National Physical Lab.
Stewart, Mark	National Physical Lab.
Lees, Kevin	National Physical Lab.
Chen, Jie	School of Engineering and Design, Brunel Univ.
16:45-17:00	ThD3.4
<i>Preparation and Characterization of Room Temperature Operating NO₂ Gas Sensor Based on Intermediate-Sized Porous Silicon Modified with WO₃ Thin Films</i> , pp. 1125-1128.	
Li, Mingda	Tianjin Univ.
Hu, Ming	Tianjin Univ.
Ma, Shuangyun	Tianjin Univ.
Liang, Jiran	Tianjin Univ.
Li, Changqing	Tianjin Univ.
17:00-17:15	ThD3.5
<i>Adaptive Flying Height Control Based on Hybrid Actuator in Near-Field Optical Disk Drives</i> , pp. 1129-1133.	
Li, Yang	Shanghai Univ.
Wu, Zhizheng	Shanghai Univ.
Jia, Qingxi	Shanghai Univ.
Liu, Mei	Shanghai Univ.
17:15-17:30	ThD3.6
<i>Temperature Sensor Based on Silicon Microring</i> , pp. 1134-1136	

Shi, Qiang	Taiyuan Univ. of Tech.
Sang, Shengbo	MicroNano System Res. Center, Taiyuan Univ. of Tech.
Zhang, Wendong	Taiyuan Univ. of Tech.
pengwei, Li	wdzhang@tyut.edu.cn
jie, Hu	Taiyuan Univ. of Tech.
Li, Gang	Taiyuan Univ. of Tech.
17:30-17:45	ThD3.7
<i>Thermal Conductivity of Water-Filled Single-Wall Carbon Nanotubes</i> , pp. 1137-1140.	
Chen, Hui	Southeast Univ.
ThD4	Diamond II
Nanoelectronics: Circuits and Architecture IV (Oral Session)	
Chair: Reiche, Manfred	Max Planck Inst. of Microstructure Physics
Co-Chair: Fan, Zheng	Michigan State Univ.
16:00-16:15	ThD4.1
<i>Tuning of Resistance of Nanogaps Using Field-Emission-Induced Electromigration with Feedback Control Scheme</i> , pp. 1141-1144.	
Ando, Masazumi	Tokyo Univ. Agriculture and Tech.
Akimoto, Shunsuke	Tokyo Univ. of Agriculture and Tech.
Suda, Ryutaro	Tokyo Univ. of Agriculture and Tech.
Shirakashi, Jun-ichi	Tokyo Univ. of Agriculture and Tech.
16:15-16:30	ThD4.2
<i>On the Drift Behaviors of a Phase Change Memory (PCM) Cell</i> , pp. 1145-1150.	
Junsangri, Pilin	Northeastern Univ.
Han, Jie	Univ. of Alberta
Lombardi, Fabrizio	Northeastern Univ.
16:30-16:45	ThD4.3
<i>The Different Film Thicknesses of Graphite/carbon Black on the Counter Electrodes by Spray Coating Method for Dye-Sensitized Solar Cells</i> , pp. 1151-1154.	
Chou, Hsueh-Tao	National Yunlin Univ. of Science and Tech.
Chiu-Hui, Lien	National Yunlin Univ. of Science and Tech.
Wu, Dai-Hung	Univ.
Hsu, Ho-Chun	National Yunlin Univ. of Science and Tech.
Huang, Min-Hsiung	National Yunlin Univ. of Science and Tech.
16:45-17:00	ThD4.4
<i>Efficient QCA Design of Single-Bit and Multi-Bit Subtractors</i> , pp. 1155-1158.	
Pudi, Vikramkumar	Indian Inst. of Tech. Madras
K, Sridharan	IIT Madras
17:00-17:15	ThD4.5
<i>Numerical Study on Thermal Conductivity of Nanomaterials - Coarse Grained Molecular Dynamics Approach</i> , pp. 1159-1163.	
Falat, Tomasz	Wroclaw Univ. of Tech.
Platek, Bartosz	Wroclaw Univ. of Tech. Faculty of MicrosystemElectroni
Zawierta, Michal	Wroclaw Univ. of Tech.
Felba, Jan	Wroclaw Univ. of Tech.
17:15-17:30	ThD4.6
<i>Trap-Assisted Carrier Transport in Nanostructures</i> , pp. 1164-1167.	
Reiche, Manfred	Max Planck Inst. of Microstructure Physics
Kittler, Martin	IHP, Im Tech. 26, 15236 Frankfurt (Oder)
Uebensee, Hartmut	CiS Forschungsinstitut fuer Mikrosensorik und Photovoltaik Erfur
17:30-17:45	ThD4.7
<i>Experimentally Effective Clean Process to C-V Characteristic Variation Reduction of HKMG MOS Devices</i> , pp. 1168-1171.	
Li, Yiming	National Chiao Tung Univ.
Chen, Chien-Hung	Department of Electrical Engineering, National Cheng-Kung Univ.

ThD5	Diamond III
Nanofabrication III (Oral Session)	

Chair: Sone, Junji	Tokyo Pol. Univ.
Co-Chair: Chen, Haoyao	Harbin Inst. of Tech. Shenzhen Graduate School
16:00-16:15	ThD5.1
<i>Jet Rollable Nanoimprint Lithography with Piezoelectric Jetting of Resist</i> , pp. 1172-1175.	
Gehlhausen, David	Univ. of Texas at Dallas
Menezes, Shannon	Univ. of Texas at Dallas
Kim, Gyu-ho	Univ. of Texas at Dallas
Lu, Hongbing	Univ. of Texas at Dallas
Gao, Jingming	Univ. of Texas at Dallas
Hu, Walter	Univ. of Texas at Dallas
16:15-16:30	ThD5.2
<i>Deposition of Palladium on Suspended and Locally Grown Carbon Nanotubes Using Thermal Evaporation</i> , pp. 1176-1179.	
Ta, Bao Quoc	Vestfold Univ. Coll.
Van Ngo, Anh	Vestfold Univ. Coll.
Nguyen, Quoc Huy	Vestfold Univ. Coll.
Hoivik, Nils	Vestfold Univ. Coll.
Halvorsen, Einar	Vestfold Univ. Coll.
Aasmundtveit, Knut	Vestfold Univ. Coll.
16:30-16:45	ThD5.3
<i>Fabrication and Operation of Microplasma Reactor Array for Maskless Nanoscale Material Etching</i> , pp. 1180-1183.	
Xie, Han	Univ. of Science and Tech. of China
16:45-17:00	ThD5.4
<i>Freestanding HfO₂ Resonant Grating Fabricated by Ion Beam Etching</i> , pp. 1184-1187.	
Gao, Xumin	Nanjing Univ. of Posts and Telecommunications
Yu, Qinglong	Nanjing Univ. of Posts and Telecommunications
Shi, Zheng	Nanjing Univ. of Posts and Telecommunications
He, Shumin	Nanjing Univ. of Posts and Telecommunications
Li, Xin	Nanjing Univ. of Posts and Telecommunications
Zhang, Miao	State Key Lab. of Functional Materials for Informatics
Wang, Yongjin	Nanjing Univ. of Posts and Telecommunications
17:00-17:15	ThD5.5
<i>Effect of ZnO Nanowire Synthesis Time on Dye-Sensitized Solar Cells</i> , pp. 1188-1191.	
Chen, Bo-yuan	National Yunlin Univ. of Science and Tech.
Chou, Hsueh-Tao	National Yunlin Univ. of Science and Tech.
Hsu, Ho-Chun	National Yunlin Univ. of Science and Tech.
17:15-17:30	ThD5.6
<i>A Controlling Method for AgI Nanoparticles Preparation Using Combinatorial Surfactants</i> , pp. 1192-1195.	
Wang, Weiping	Univ. of Zhejiang, Hangzhou
Yang, Jian	Zhejiang Univ. Hangzhou
Ding, Xianting	School of Biomedical Engineering, Shanghai Jiao Tong Univ.
Liu, Dandan	Inst. of Process Equipment, Zhejiang Univ. Hangzhou
17:30-17:45	ThD5.7
<i>Research of Nano-Diamond Film Prepared on Solar Cell Window</i> , pp. 1196-1199.	
Yang, Xiaocong	Beifang Univ. of Nationalities
Zhang, Xiuxia	Beifang Univ. of Nationalities
Lou, Xiuli	Beifang Univ. of Nationalities
Wen, Junxia	Beifang Univ. of Nationalities
Jiang, Daojie	Beifang Univ. of Nationalities