

Thin Film 2008 Program

Date	Start time	End time	Durati on	Room: 4E-1	Room: 4E-2	Room: 5E-1	Room: 5E-2	Room: 4F-1	Room: 4F-2		
Sun 13 July	14:00	20:00	6:00	Registration:4th floor foyer							
	18:00	20:00	2:00	Reception:4th floor foyer							
				Plenary:conference hall (webcast in 4F-1 and 4F-2)							
	8:30	8:45	0:15	Opening speech by Professor Sam Zhang & Prof FS Shieu, Chair and Co-Chair of Thin Films 2008; Address by Prof Ling Shih Fu, Chair, School of Mechanical and Aerospace Engineering, NTU							
	8:45	8:55	0:10	Speech by Prof FZ Fang, Chair of nanoMan2008 and Prof Guofan Jin, vice-president of the International Commission for Optics							
	8:55	9:35	0:40	Keynote1, Professor Jeff de Hosson, University of Groningen, The Netherlands: Nanocomposite coatings: challenges and opportunities							
	9:35	10:15	0:40	Keynote2, Professor Zhonglin Wang, Georgia Institute of Technology, USA: Nanogenerators and nanopiezotronics							
	10:15	10:45	0:30	Teabreak cum poster	Teabreak cum poster	Teabreak cum poster	Teabreak cum poster	Teabreak cum poster	Teabreak cum poster		
				Room: 4E-1	Room: 4E-2	Room: 5E-1	Room: 5E-2	Room: 4F-1	Room: 4F-2		
				OFN1 (Dirk EHRENTRAUT & LIU Hong Fei)	OFN2 (David KISAILUS & Gregory GOH)	NNF1 (Mishra Suman)	NNF2 (Tae Whan Kim)	MPF1 (Chen Zhong)	ETF1 (Jiang San Ping)		
	10:45	11:10	0:25	Invited, OFN-4180, Simple Processing of ZnO from Solution: Homoepitaxial Film and Bulk Single Crystal, EHRENTRAUT Dirk, dirk@tagen.tohoku.ac.jp, IMRAM, Tohoku University, Japan	Invited, OFN-4682, Biologically controlled nucleation and growth of nanostructures for energy applications, KISAILUS David, david@enr.ucr.edu, Chemical and Environmental Engineering Dept. University of California, Riverside, USA	(Invited) NNF-4026, Enhanced growth of carbon nanotubes on Fe-base thin film catalysts, <i>Ting Jyh-Ming</i> , jtjng@mail.ncku.edu.tw, Materials Science and Engineering, National Cheng Kung University, Taiwan	(Invited) NNF-4165, Origin of Ultrahardness of > 100 GPa in nc-TiN/a-Si3N4/TiSi2, nc-TiN/a-Si3N4 and Related Nanocomposites, and their Non-Linear Mechanical Properties, <i>Veprek Stan</i> , veprek@ch.tum.de, Department of Chemistry, Technical University Munich, Germany	(Invited) MPF-4010, Microbridge Tests on Thin Films, <i>Zhang Tong-Yi</i> , mezhangt@ust.hk, Department of Mechanical Engineering, Hong Kong University of Science and Technology, Hong Kong	(invited) ETF-4411, Corrosion behavior of Al, Sc-co-doped ZnO thin films in 3.5% NaCl solution, <i>Lin Jing-Chie</i> , jclincom@cc.ncu.edu.tw, Institute of Materials Science and Engineering/Department of Mechanical Engineering, National Central University, Taiwan		
	11:10	11:25	0:15	Oral, OFN-4159, Preparation of Li - Er codoped ZnO thin films and their, Zhu Liping, zlp1@zju.edu.cn, State Key Laboratory of Silicon Materials, Department of Materials science and engineering,	Oral, OFN-4120, Fabrication of Multilayer TiO2 Thin Films in Dye Sensitized Solar Cells by Electrophoresis Deposition, WU Yan-Chyuan, f10381@ntut.edu.tw, Department of Mechanical Engineering, National Taipei University of Technology, Taiwan	NNF-4035, Correlations between structural properties and tribological behaviour of magnetron sputtered Ti-Si-C thin films prepared at low temperature, Munteanu Daniel, muntean.d@unitbv.ro, Dept. of Materials Science and Engineering, Transilvania University,Romania	NNF-4426, Nanosize copper encapsulated carbon thin films on DSSC anodes, <i>Wang H. Paul</i> , wanghp@mail.ncku.edu.tw, Department of Environmental Engineering, National Cheng Kung University, Taiwan	MPF-4239, Deformation Behavior of Complex Carbon Nitride and Metal Nitride Based Bilayer Coatings, <i>Munroe Paul</i> , p.munroe@unsw.edu.au, Electron Microscope Unit, University of New South Wales, Australia	ETF-4543, Effect of Cu ions on corrosion behavior of Cu electro-chemical-mechanical polishing processes, <i>Wang Y.L.</i> , ylwang@ismc.com, Taiwan Semiconductor Manufacturing Company, Taiwan		

11:25	11:40	0:15	Oral, OFN-4537, Characterization and Applications of ZnO:Al Thin Films Prepared by Magnetron Sputtering, Shieu Fuh-Sheng, fsshieu@dragon.ncku.edu.tw, Department of Materials Engineering, National Chung Hsing University, Taichung 402, Taiwan.	Oral, OFN-4287, Photocatalytic properties of ZnO nanorods, Gregory K. L. GOH, g-goh@imre.a-star.edu.sg, Institute of Materials Research and Engineering, Singapore	NNF-4055, Mechanical properties of gradient and multilayered TiAlSiN hard coatings, <i>Yin-Yu Chang</i> , yinyu@mdu.edu.tw, MingDao University, Taiwan	NNF-4531, Effect of copper-sulfide deposition structure on electroless copper polyacrylonitrile nanocomposites for electromagnetic interference shielding, <i>Huang Chi-Yuan</i> , cyhuang@ttu.edu.tw, Department of Materials Engineering, Tatung University, Taiwan	MPF-4679, The study of adhesion and nanomechanical properties of DLC films deposited on tool steels, <i>Lin Jen Fin</i> , jfiin@mail.ncku.edu.tw, Department of Mechanical Engineering, National Cheng Kung University, Taiwan	ETF-4199, Corrosion behavior of aluminum incorporated diamondlike carbon thin films in NaCl aqueous solutions, <i>Khun Nay Win</i> , KHUN0002@ntu.edu.sg, School of Mechanical & Aerospace Engineering, Nanyang Technological University, Singapore
11:40	11:55	0:15	Oral, OFN-4691, Growth and characterizations of ZnO thin films by ion beam deposition, Ju-Won JEON, ihlee@chonbuk.ac.kr, School of Advanced Materials Engineering Engineering College, Chonbuk National University, South Korea	Oral, OFN-4356, Anodized Titanium Oxide Nanotubes and Inner Core-shell Structure, CHANG Horng-Yi, hychang@mail.ntu.edu.tw, Department of Marine Engineering, National Taiwan Ocean University, Taiwan	NNF-4057, Microstructure and wear behaviour of silicon doping CrxN nanocomposite coatings, <i>Bao Mingdong</i> , bmingd@yahoo.com.cn, School of mechanical engineering, Ningbo University of Technology, Ningbo 315016, China	NNF-4570, Deposition and characterization of TiBCN films by cathodic arc plasma evaporation, <i>Tsai Pi-Chuen</i> , pc6996@ms16.hinet.net, Department of Materials Science and Engineering, National Formosa University, Taiwan	MPF-4459, Measurement of fracture toughness of Ni-YSZ anode used in solid oxide fuel cell (SOFC), <i>HBAIEB Kais</i> , hb-kais@imre.a-star.edu.sg, Institute of materials research and engineering (IMRE), Singapore	ETF-4698, Analysis of microstructures and corrosion resistances of chromium nitride thin films using Taguchi method, <i>Lee Jyh-Wei</i> , cwlee@mail.tnu.edu.tw, Department of Mechanical Engineering, Tunghan University, Taiwan
11:55	12:10	0:15	Oral, OFN-4776, Investigation of structural, electrical and optical properties of sol-gel derived aluminium doped zinc oxide thin films, Ranajit GHOSH, spatra.ece@gmail.com, Electronics and Communication Engineering, Haldia Institute of Technology, India	Oral, OFN-4706, Synthesis of Ordered Arrays of TiO2 Nanotubes Using AAO Template, Thelese FOONG, asxhu@ntu.edu.sg, School of Materials Science and Engineering, Nanyang Technological University, Singapore	NNF-4127, Influence of bias voltage on the optical and structural properties of nc-Si:H films grown by layer-by-layer (LBL) deposition technique, <i>Goh Boon Tong</i> , boontong77@yahoo.com, Physics Department, University of Malaya, Malaysia	NNF-4571, Study of Nanopores Ordering in Anodic Aluminum Oxide Templates Achieved by Three Step Process, <i>M. Abdollahzadeh</i> , maliofkh@gmail.com, Tarbiat Modares University, Sweden	MPF-4074, Nano and Micro Indentation and Scratch Tests of Mechanical Properties of Thin Films, <i>Gitis Norm</i> , ngitis@cetr.com, Center For Tribology, Inc., USA	ETF-4539, Effect of Additives and PH in H2O2-based Slurry on Corrosion of Copper CMP, <i>Wang Y.L.</i> , ylwang.yl@msa.hinet.net, Department of Material Science, National University of Tainan, Taiwan
12:10	12:25	0:15	Oral, OFN-4719, The effects of heat treatment on the crystalline structure of ZnO films, CAGLAR Yasemin, yasemincaglar@anadolu.edu.tr, Physics Department, Anadolu University, Turkey	Oral, OFN-4724, Controlled synthesis of indium oxide nanostructures and their gas sensing properties, Kumar Mukesh, som_mukesh@rediffmail.com, Department of Physics, Indian Institute of Technology Delhi, India	NNF-4290, Preparation of super-hydrophobic surface on stainless steel substrate, <i>Yu Zhijia</i> , yuzhijia@dl.cn, School of Chemical Engineering, Dalian University of Technology, China	NNF-4657, Effects of temperature on the growth of TiSi nanowires grown on Ti5Si3 thin film by APCVD, <i>Du Piyi</i> , dupy@zju.edu.cn, State Key Laboratory of Si Materials, Department of Material Science and Engineering, ZhengJiang University, China	MPF-4074, Nano and Micro Indentation and Scratch Tests of Mechanical Properties of Thin Films, <i>Gitis Norm</i> , ngitis@cetr.com, Center For Tribology, Inc., USA	ETF-4540, Effect of electrolyte composition on de-plating behavior of Pt contact pins in semiconductor Cu electroplating process, <i>Wang Y.L.</i> , ylwang.yl@msa.hinet.net, Department of Material Science, National University of Tainan, Taiwan
12:25	12:40	0:15	Oral, OFN-4716, Determination of optical constants and absorption edge of transparent CdO:Al thin films by spin coating technique, ILICAN SALIHA, silican@anadolu.edu.tr, Physics Department, Anadolu University, Turkey	Oral, OFN-4056, Reversible UV-light-induced wettability transition in thin films of organic-capped TiO2 nanorods, CAPUTO Gianvito, gianvito.caputo@unile.it, Scuola Superiore ISUFI, Università del Salento, Italy	NNF-4351, Dopant effects of photoreactive ZnO nanoparticles on fast response LC materials in Optical Compensated Bend (OCB) mode liquid crystal displays, Lin Hong-Cheu, linhc@mail.nctu.edu.tw, Materials Sci. and Eng. Dept., National Chiao Tung University, Taiwan	NNF-4741, Growth of thick and crack-free GaN grown on silicon and oxygen co-implanted Si substrate by Metal Organic Chemical Vapor Deposition, <i>Lee In-Hwan</i> , ihlee@chonbuk.ac.kr, School of Advanced Materials Engineering and Research Center for Advanced Materials Development, Chonbuk National University, Chonju 561-756, Korea (south)		ETF-4564, Nanostructural and Electrochemical characteristics of cerium oxide thin film applied by dip immersion and sol-gel methods on AA5083-H321 Aluminum Alloy, <i>Hossein Hassanpour</i> , tshahrabi34@yahoo.com, Department of Materials Science, Tarbiat Modares University, Tehran, Iran

12:40	12:55	0:15	Oral, OFN-4763, Investigation of post-annealing temperature dependence on structural, electrical and optical properties of sol-gel derived zinc oxide thin films, SARKAR Suvra, ssarkar.ece@gmail.com, Electronics and Communication Engineering, Haldia Institute of Technology, India	Oral, OFN-4732, Synthesis of pure phase anatase nano TiO ₂ particles using transferred arc plasma reactor for photocatalytic degradation of methylene blue dye, BANERJEE I, indranibanerjee@bitmesra.ac.in, Applied Physics Department, Birla Institute of Technology, Mesra, Ranchi, India	NNF-4389, Study on functional surface of glass microspheres, Zhao Yan, jennyzhaoyan@buaa.edu.cn, School of Materials Science and Engineering, Beihang University, Beijing, 100083, P.R. China, China	NNF-4752, The ultraviolet sensing thin film, produced by electrospinning, Chang Kai Ming, kaiming.changkaiming@gmail.com, Department of Materials Science and Engineering, National Chiao Tung University, Taiwan	ETF-4490, Effect of Benzotriazole inhibitor on integrated defect formation after chemical mechanical polishing, Wang Ying-Lang, ylwang@tsmc.com, Taiwan Semiconductor Manufacturing Company, Taiwan	
12:55	14:25	1:30	lunch cum poster					
			OFN3 (Wilfrid PRELLIER)	OFN4 (Gregory GOH)	NNF3 (STing Jyh-Ming)	NNF4 (Jeff De Hosson)	MPF2 (Zhang Tong-Yi)	ETF2 (Zeng Xianting)
14:25	14:50	0:25	Invited, OFN-4125, Multifunctional oxides superlattices grown by pulsed laser deposition, PRELLIER Wilfrid, wilfrid.prellier@ensicaen.fr, CNRS/ENSICAEN, France	Invited, OFN-4278, Modeling the Optical Properties of Tin Oxide Thin Films, GOLDSMITH Samuel, gold@post.tau.ac.il, Tel Aviv University, Raymond and Beverly Sackler School of Physics and Astronomy, Israel	(Invited) NNF-4688, Electrical properties and operating mechanisms of nonvolatile memory devices based on inorganic/organic nanocomposites, Tae Whan Kim, twk@hanyang.ac.kr, Division of Electronics and Computer Engineering, Hanyang University, Korea (south)	(Invited) NNF-4132, A novel coating technique of producing thick ceramic coatings from nanoparticle slurries, Xiao Ping, ping.xiao@manchester.ac.uk, University of Manchester, United Kingdom	(Invited) MPF-4029, The influence of indenter bluntness on the apparent contact stiffness and hardness of thin coatings, Korsunsky Alexander, alexander.korsunsky@eng.ox.ac.uk, University of Oxford, United Kingdom	(invited) ETF-4272, Electrochemical investigation on silicon/titanium carbide nanocomposite film anode for Li-ion batteries, Tu Jiangping, tujp@zju.edu.cn, Department of Materials Science and Engineering, Zhejiang University, China
14:50	15:05	0:15	Oral, OFN-4262, Ferroelectric Properties of Hydrothermally Synthesized I:V Perovskite Thin Films, A. Denny HANDOKO, ad-handoko@imre.a-star.edu.sg, Institute of Materials Research and Engineering, Singapore	OFN-4152, Quantitative hydrogen sensing in air using ultra thin partially oxidized Pd films, VYAS JAGDISH CHANDRA, j.c.vyas@gmail.com, Technical Physics and Proto-type Engineering Division, Bhabha Atomic Research Centre, Mumbai, India	NNF-4755, The electrospinning nano-fibers application in anti-ultraviolet thin film, Chang Kai Ming, kaiming.changkaiming@gmail.com, Department of Materials Science and Engineering, National Chiao Tung University, Taiwan	NNF-4793, Enhanced performance of cellulose acetate-polystyrene nanofiltration membrane by incorporation of PEG 200, Mulijani Sri, smulijani@hotmail.com, Material Sciences Department, University of Indonesia, Indonesia	MPF-4255, Analysis of Nanoindentation load displacement curves of thin films, Kumar Amit, amitkumar@nus.edu.sg, Mechanical Engineering Dept., National University of Singapore, Singapore	ETF-4382, Preparation and Characterization of Manganese Oxides/Cerium Oxides Thin Film for Supercapacitor, Liu Jiun-Shing, scottsym@yahoo.com.tw, Department of Materials engineering, Tatung University, Taiwan
15:05	15:20	0:15	Oral, OFN-4284, Preferred Orientation (006) of LiNbO ₃ Thin Film Deposited on Sapphire using R.F. Sputtering, CHANG Yee-Shin, yeeshin@nfu.edu.tw, Department of Electronic Engineering, National Formosa University, Taiwan	Oral, OFN-4046, Structural and optical properties of TiO ₂ films deposited by RF magnetron sputtering, Hasan M. Mahmood, mmhasan92@yahoo.com, Department of Mechanical Engineering, University of Malaya, Kuala Lumpur, Malaysia	NNF-4117, Fabrication and applications of nanocomposites coatings, Abdel Aal Alsayed, foralsayed@gmail.com, Surface Protection & Corrosion Control Lab, Central Metallurgical Research & Development Institute, CMRDI, P.O. 87 Hellwan, Cairo, Egypt,	NNF-4384, Preparation of microlens by electrostatic drooping technique with organic-inorganic hybrid precursor, Liu Jiun-Shing, scottsym@yahoo.com.tw, Department of Material Science and Engineering, Tatung University, Taiwan	MPF-4704, The middle layer effect of multilayered coatings on nanoindentation with finite element analysis, Chen Feng-Yuan, fychen@ms11.hinet.net, Department of Mechanical Engineering, Lee-Ming Institute of Technology, Taiwan	ETF-4108, Electrochemical performance of nitrogenated diamondlike carbon thin films deposited via DC magnetron sputtering, Liu Erjia, mejiu@ntu.edu.sg, School of Mechanical & Aerospace Engineering, Nanyang Technological University, Singapore

15:20	15:35	0:15	Oral, OFN-4343, 2-dimensional metal-insulator transition of SrTiO ₃ /(Sr _{0.88} La _{0.12})TiO ₃ superlattice, Euiyoung CHOI, jclee@skku.edu, School of Advanced Materials Science and Engineering, Sungkyunkwan University, South Korea	Oral, OFN-4082, Physical Characterization of ZrO ₂ Thin Films Formed by Thermal Oxidation of Sputtered Zr on Si, Tedi KURNIAWAN, tedikurniawan11@yahoo.co.id, School of Mater. & Mineral Resources Eng., Universiti Sains Malaysia, Malaysia	NNF-4004, Enhanced brightness and efficiency in organic light-emitting diodes using TiO ₂ buffer layers, <i>Liu Pengyi</i> , tply@jnu.edu.cn, Physics Dept., Jinan University, Guangzhou, 510632, China	NNF-4829, Silicon carbonitride nanocomposite thin film by magnetron sputtering, <i>Mishra Suman</i> , skm_smp@yahoo.co.in, National Metallurgical Laboratory, Jamshedpur, India, India	MPF-4301, Thin films and multilayers of plasma polymers analyzed by nanoindentation and spectroscopic ellipsometry, <i>Cech Vladimir</i> , cech@fch.vutbr.cz, Institute of Materials Chemistry, Brno University of Technology, Czech Republic	ETF-4375, Effect of bias voltage on the electrochemical properties of TiN coating for polymer electrolyte membrane fuel cell, <i>Kim Jung-Gu</i> , kimjg@skku.ac.kr, Department of Advanced Materials Engineering, Sungkyunkwan University, Korea (South)
15:35	15:50	0:15	Oral, OFN-4514, Influence of Substrate and substrate temperature on properties of magnetite thin films grown by Pulsed Laser Deposition, KAUR Davinder, dkaurfph@iitr.ernet.in, Center of Nanotechnology, Indian Institute of Technology Roorkee, India	Oral, OFN-4535, Sol-gel technology for controlling the morphology of thin films and coatings, MARQUES Ana, ana.marques@dowcorning.com, Surface & Interface Solutions Center, S&T, Dow Corning Europe S.A., Belgium	NNF-4006, Characteristic studies on the Zr-based metallic glass thin film fabricated by magnetron sputtering process, <i>Chu Chi-Wen</i> , Chuhoose@mail.mirdc.org.tw, Mirdc, Taiwan	NNF-4020, Synthesis of nanoclay with high temperature functionality, <i>Wan Chaoying</i> , c.wan@lboro.ac.uk, Institute of Polymer Technology and Material Engineering, Loughborough University, United Kingdom	MPF-4329, The Effect of Aloooh Boehmite Nanorods on Mechanical Property of Hybrid Composite Coatings, <i>Chen Quan</i> , qchen@simtech.a-star.edu.sg, Singapore Institute of Manufacturing Technology, Singapore	ETF-4135, Effect of yttrium conversion films formed by sonochemical modification on the electrochemical performance of zinc electrodes, <i>ZHANG Hui</i> , hui1218@mse.buaa.edu.cn, School of Materials Science and Engineering, Beihang University, China
15:50	16:05	0:15		Oral, OFN-4714, Study of high energy Ag ⁸⁺ ion irradiated SnO ₂ thin films for gas sensing application, SANJU Rani, sanjuitd@gmail.com, Thin Film Laboratory, Physics Department, IIT Delhi, India	NNF-4019, Electrical conductivity of heat treated ultrathin electroless nickel coated mica, <i>Kandasubramanian Balasubramanian</i> , bala.kandasubramanian@pera.com, Pera Innovation Park, Melton Mowbray, Leicestershire, LE13 0PB, United Kingdom	NNF-4322, Study of high temperature oxidation properties of Al ₂ O ₃ -SiO ₂ ceramic coatings on nickel superalloy, <i>He Fei</i> , he_fei@126.com, Center for Composite Materials, Harbin Institute of Technology, China	MPF-4620, Nanoindentation Study of Nanocrystalline Ti-Si-N thin films, <i>Jayaganthan R</i> , rjayafmt@iitr.ernet.in, Department of Metallurgical and Materials Engineering & Centre of Nanotechnology, Indian Institute of Technology Roorkee, India	ETF-4061, Semi-Conductive Silicon Thin Film as a High Capacity Anode for Lithium Polymer Batteries, <i>Lee Joong Kee</i> , leejk@kist.re.kr, Battery Research Center, Korea Institute of Science and Technology, Korea (South)
16:05	16:20	0:15		Oral, OFN-4801, Fabrication and morphological control of titanium dioxide thin films by electrostatic spray deposition process for use as photocatalyst, Panadda Anukoolwittaya, kbussarin@hotmail.com, Depart of Mater Science and Engineering, Silpakorn University, Thailand	NNF-4561, First-principle calculation of Lattice Constants and Energy gap of Oxygen-Doped Aluminum Nitride in Sinblend Structure, Chaloeppol Saributr, cpri@kmitl.ac.th, King Mongkut's Institute of Technology Ladkrabang, Thailand			ETF-4756, Magneto-Electrodeposition of Ni-Cr Alloy on Copper plate, <i>Ebadi Mehdi</i> , mehdi_2222002@yahoo.com, Chemistry Department, Science Faculty, Malaya University, Malaysia
16:20	16:50	0:30	Teabreak cum poster					
				CCE6 (Lin Jing-Chie)	NNF5 (Stan Veprek)	NNF6 (Xiao Ping)	MPF3 (Korsunsky Alexander)	
16:50	17:05	0:15		CCE-4444, Super-hydrophilicity and self-cleaning effect of an amorphous titanium oxide film prepared by plasma enhanced chemical vapor deposition, <i>Wu Cheng-Yang</i> , Institute of Electro-Optical and Materials Science, National Formosa University, Taiwan	(Invited) NNF-4575, Nanorod and nanotube arrays for fuel cell applications: their comparison for intrinsic catalytic activity, <i>Sungho Park</i> , spark72@skku.edu, Chemistry Dep., Sungkyunkwan Univeristy, Korea (south)	NNF-4713, Influence of dopant concentration on the optical properties of ZnO:In thin films by sol gel method, <i>Caglar Mujdat</i> , mcaglar@anadolu.edu.tr, Physics Department, Anadolu University, Turkey	MPF-4448, Mechanical properties of hybrid sol-gel derived films as a function of composition and thermal treatment, <i>Nemeth Sandor</i> , sandorn@SIMTech.a-star.edu.sg, Singapore Institute of Manufacturing Technology, Singapore	

17:05	17:20	0:15	CCE-4087, Anatase and Rutile TiO ₂ Nanotubes Formation, <i>LOCKM AN Zainovia, School of Materials Engineering, Malaysia</i>	NNF-4552, Modification of TiSiN nanocomposite coatings with layered structure, <i>Zhou Z. F., mezfzhou@cityu.edu.hk, Department of Manufacturing Engineering and Engineering Management, City University of Hong Kong, Hong Kong, China</i>	NNF-4739, Effect of rf power on the bonding of CN thin films deposited by rf magnetron sputtering, <i>Barhai P. K., pkbarhai@bitmesra.ac.in, Department of Applied Physics, Birla Institute of Technology, Mesra, Ranchi-831512, India</i>	MPF-4527, Strengthening the Cr-C deposit obtained from the trivalent chromium plating bath by using reduction-flame heating, <i>Huang Ching An, gfehu@mail.cgu.edu.tw, Department of Mechanical Engineering, Chang Gung University, Taiwan</i>
17:20	17:35	0:15	CCE-4367, Catalytic activity of Ag-Cu films for oxygen reduction reaction in alkaline solution, <i>Lin Jing-Chie, Department of Mechanical Engineering/ Institute of Materials Science and Engineering, National Central University, Taiwan</i>	NNF-4542, Structure property and surface characterization of PbSn coating produced by plasma spray method on a new-style liner composite tanks, <i>Song Dajun, sdj20000@163.com, Center Of Composite Material and Structure Harbin Institute Of Technology, China</i>	NNF-4764, Synthesis of water dispersible magnetite nanoparticles by one-pot thermal decomposition reaction, <i>Theppaleak Thapanapong, thapanapong_bomm@hotmail.com, Chemistry., Naresuan University, Thailand</i>	MPF-4277, Influences of methane in argon plasma for the formation of hydrogenated amorphous carbon by magnetron sputtering, <i>Liao Jiunn-Der, jdliao@mail.ncku.edu.tw, Department of Materials Science and Engineering, National Cheng Kung University, Taiwan</i>
17:35	17:50	0:15	CCE-4241, Deposition of Poly-Si and Oxide Materials for Solar Cells Applications, <i>J.-H Boo jhboo@skku.edu, Chemistry Dept., Sungkyunkwan University, Korea (south)</i>	NNF-4708, The influence of the preparation conditions on the formation and dielectric properties of the Pb _{0.4} Sr _{0.6} (Ti _{0.97} Mg _{0.03}) O _{2.97} thin films, <i>Du Piyi, dupy@zju.edu.cn, Department of Materials Science and Engineering, Zhejiang University, China</i>	NNF-4799, Ag/Pd bimetal metal layer based Hydrogen sensors, <i>Khanuja Manika, manikakhanuja@gmail.com, Thin Film Laboratory, Department of Physics, Indian Institute of Technology, New Delhi-110016, India, India</i>	MPF-4677, Study on laser annealing of electroless Ni-P thin film by Taguchi method, <i>Chen Wen Jauh, chenwjau@yuntech.edu.tw, Graduate School of Materials Science, National Yunlin University of Science and Technology, Taiwan</i>
17:50	18:05	0:15	CCE-4192, Characterization of II-VI Semiconductor Thin Films by Close Spaced Sublimation, <i>Shah Nazar, Department of Physics, COMSATS Institute of Information Technology, Pakistan</i>	NNF-4728, Effect of hydrogen dilution on Raman spectra and surface morphology of nanostructured DLC films, <i>Barhai P. K., pkbarhai@bitmesra.ac.in, Department of Applied Physics, Birla Institute of Technology, Mesra, Ranchi-835215, India</i>	NNF-4830, Deposition of hard nano titanium diboride film and mechanical and deformation behaviour by nano-indentation, <i>Mishra Suman, skm_smp@yahoo.co.in, National Metallurgical Laboratory, Jamshedpur, India, India</i>	MPF-4666, Finite Element Analyses of Residual stress in CrN thin films deposited by DC reactive magnetron sputtering, <i>Jayaganthan R, rjayafmt@iitr.ernet.in, Department of Metallurgical and Materials Engineering, Indian Institute of Technology, India</i>

day 2: 15th July 2008

8:30	9:10	0:40	Keynote3, Professor Raymond (Reuven) Boxman, Tel Aviv University, Israel, Transparent Conductive Thin Films					
9:10	9:50	0:40	Keynote4, Professor Guofan Jin, Tsinghua University, China, Advances in nano-manufacturing - fundamentals and applications in optics					
9:50	10:30	0:40	Keynote5, Professor Xiaodong He, Harbin Institute of Technology, China, High emissivity coatings: progress and prospect					
10:30	11:00	0:30	Teabreak cum poster	Teabreak cum poster	Teabreak cum poster	Teabreak cum poster	Teabreak cum poster	Teabreak cum poster
			Room: 4E-1	Room: 4E-2	Room: 5E-1	Room: 5E-2	Room: 4F-1	Room: 4F-2
			OFN5 (LIU Hong Fei)	OFN6 (Saibal MITRA and LIU Dongping)	ONF1(Wong Chee Cheong)	TCR1 (Zeng Xianting)	MPF4 (Chen Zhong)	ETF3 (Sridhar Idapalapati)

11:00	11:25	0:25	Oral, OFN-4156, Thermal-induced atoms interdiffusion and recrystallization of extrinsic phases at the interface of ZnO/GaAs thin films, Liu Hongfei, liuhf@imre.a-star.edu.sg, Institute of Materials Research and Engineering, Singapore	Invited, OFN-4820, Nanocrystalline Metal Oxide Thin Films for Electronic Application, MITRA Saibal, SaibalMitra@MissouriState.edu, Dept. of Physics, Astronomy and Materials Science, Missouri State University, Springfield, MO, USA	(invited) ONF-4618, Strategies for Controlled Assembly at the Nanoscale, Rosei Federico, rosei@emt.inrs.ca, INRS-EMT, Univ. of Quebec, Canada	Invited TCR-4627, Optimization of A Novel Lateral Force Sensing Micro-indentation Method For Determination of Interfacial Bond Strength For Coatings/Films: A FEM Study, Li Dong Yang, dongyang.li@ualberta.ca, Dept. of Chemical and Materials Engineering, University of Alberta, Canada	MPF-4134, Nanomechanical / nanotribological testing of ultra-thin films for stiction control in MEMS devices, <i>Beake Ben</i> , ben@micromaterials.co.uk, Micro Materials Ltd, United Kingdom	(invited) ETF-4313, Influence of electrochemical treatment of ITO surface on the growth and properties of hole transport layer and the device performance of OLEDs, Huang Zhaohong, zhhuang@simtech.a-star.edu.sg, Singapore Institute of Manufacturing Technology, Singapore
11:25	11:40	0:15	Oral, OFN-4470, AZO/Ag/AZO Multilayer Films Prepared by Sputtering for Dye-Sensitized Solar Cell Application, Choopun Supab, supab@science.cmu.ac.th, Department of Physics, Faculty of Science, Chiang Mai University, Thailand	Oral, OFN-4071, New insights into the surface properties of plasma-deposited films through advanced atomic force microscope, Liu Dongping, Dliu@dlnu.edu.cn, Institute of optoelectronic technology, Dalian Nationalities University, China	ONF-4129, Hierarchical Self-assembly of 1D and 2D Ordered Silver Nanoparticle Arrays on Triblock Copolymer Templates, Shi Zhongtao, shizht@sohu.com, College of Sciences, Ningbo University of Technology, China	TCR-4247, Enhanced Scratch Resistance of Polycarbonate by Low Temperature Plasma-Polymerized Organosilica, Yung-Sen Lin, yslin@fcu.edu.tw, Department of Chemical Engineering, Feng Chia University, Taiwan	MPF-4037, Thermal Stability and Oxidation Resistance of TiN, CrN, TiAlN and CrAlN Coatings Deposited by Lateral Rotating Cathode Arc, Ding Xing Zhao, xzding@SIMTech.a-star.edu.sg, Surface Technology Group, Singapore Institute of Manufacturing Technology, Singapore	
11:40	11:55	0:15	Oral, OFN-4631, Fluence Dependent Room Temperature Ferromagnetism in 200 keV Ni ²⁺ Ion Implanted Zinc Oxide Thin Films, Pandey Bhawana, pandeyb44@yahoo.co.in, Department of Physics, Indian Institute of Technology Delhi, India	Oral, OFN-4240, Elimination of primary defects in silicon oxide water-vapor barrier coatings on polymers, Yun Jungheum, jungheum@kims.re.kr, Department of Surface Technology, Korean Institute of Materials Science, South Korea	ONF-4096, Evaporation-induced Self-assembly of Periodically Organized Mesoporous TiO ₂ and SnO ₂ -based Thin Films by Controlling the Hydrolytic Kinetics of Inorganic Precursors, Lee Wan In, wanin@inha.ac.kr, Department of Chemistry, Inha University, Korea (south)	TCR-4075, Interfacial interaction between sputtered β -Ta films and DLC with Ru intermediate layer, Sam ZHANG, MSYZhang@ntu.edu.sg, School of Mechanical & Aerospace Engineering, Nanyang Technological University, Singapore	MPF-4694, Optimization of Sputtered Cr/Au Thin Film for Diaphragm-based MEMS Applications, <i>TAN Chee Wee</i> , cheewee@ntu.edu.sg, Micromachines Centre, School of Mechanical & Aerospace Engineering, Nanyang Technological University, Singapore	ETF-4683, Ultrafast-switching Viologen-anchored TiO ₂ Electrochromic Device with Nanoporous Sb-doped SnO ₂ Counter Electrode, <i>Lee Wan In</i> , wanin@inha.ac.kr, Department of Chemistry, Inha University, Korea (South)
11:55	12:10	0:15	Oral, OFN-4184, Doping concentration and annealing temperature dependence of room temperature ferromagnetism for Ni-doped ZnO films prepared by radio frequency magnetron sputtering, YAO Shude, sdyao@pku.edu.cn, School of Physics, Peking University, China	Oral, OFN-4600, Monitoring of plasma polymerization process with a HMDSO/O ₂ /Ar gaseous mixture, LEE Sunghun, jungheum@kims.re.kr, Korean Institute of Materials Science, South Korea	ONF-4486, To prepare hydrophobic surface for surgical and biomedical instruments, LUO B.H., hueyluo@cityu.edu.hk, Department of Manufacturing Engineering and Engineering Management (MEEM), City University of Hong Kong, Hong Kong	TCR-4463, High temperature oxidation of CrTiAlN hard coatings prepared by unbalanced magnetron sputtering, Zhou Zhifeng, mezfzhou@cityu.edu.hk, Department of Manufacturing Engineering and Engineering Management (MEEM), City University of Hong Kong, HK, China	MPF-4064, Adhesion Enhancement of Sol-Gel Coating on Polycarbonate by Heated Impregnation Treatment, <i>Wu Linda</i> , ylwu@simtech.a-star.edu.sg, Surface Technology Group, Singapore Institute of Manufacturing Technology, Singapore	ETF-4710, Grain size comparison of electrodeposited copper by using XRD, EBSD and TEM, <i>Kuo Jui-Chao</i> , jckuo@mail.ncku.edu.tw, Department of Materials Science and Engineering, National Cheng Kung University, Taiwan
12:10	12:25	0:15	Oral, OFN-4361, Grazing incidence X-ray scattering study of sol-gel derived indium tin oxide thin films, YANG Lili, lilykiddy@gmail.com, Center for Composite Materials, School of Astronautics, Harbin Institute of Technology, China	Oral, OFN-4138, Integration of CuO Thinfilm and Bi ₂ Te ₃ for Enhancing the Thermoelectric Conversion Efficiency of Thermoelectrical generator, CHANG Ho, f10381@ntut.edu.tw, Department of Mechanical Engineering, National Taipei University of Technology, Taiwan	ONF-4212, Novel structural functional films based on self-assembly template and electrodeposition, Li Yao, liyao@hit.edu.cn, Center for Composite Materials, Harbin Institute of Technology, China	TCR-4436, Tribological property enhancement of nitrided die-casting mold via oxide thin film, Piyamon Poapongsakorn, piyamon@gmail.com, Department of Tool and Materials Engineering, King Mongkut's University of Technology Thonburi, Thailand	MPF-4481, Residual stresses of sputtering titanium thin films at various substrate temperature, <i>Chang Rwei-Ching</i> , rcc@mail.sju.edu.tw, Department of Mechanical and Computer-Aided Engineering, St. John's University, Taiwan	ETF-4053, A Novel Electrolytic Process for Colouring Anodised Aluminium, <i>Kyaw Thein Thein</i> , tinakyaw@gmail.com, Engineering Chemistry Department, Thanlyin Technological University, Myanmar

12:25	12:40	0:15		Oral, OFN-4562, Luminescent properties of dye-sensitized lanthanide oxide nanoparticles, Porta Francesca, francesca.porta@unimi.it, Dept. Chimica Inorganica Metallorganica Analitica, University of Milano, Italy	ONF-4335, Wettability Control of Micropore-array Films by Altering the Surface Nanostructures, Chang Chi-Jung, changcj@fcu.edu.tw, Department of Chemical Engineering, Feng Chia University, Taiwan	TCR-4440, Hybrid Corrosion Protection Coating for Carbon Steel, Qian Min, mqian@SIMTech.a-star.edu.sg, Singapore Institute of Manufacturing Technology, Singapore	MPF-4391, Effects of Different Nitrogen/Methane Ratios on the Residual Stress of a-C:N Thin films Prepared by Plasma Enhanced Chemical Vapor Deposition, Shiue Sham-Tsong, stshiu@dragon.nchu.edu.tw, National Chung Hsing University, Taiwan	ETF-4545, Superfilling of Electrodeposition beyond 65nm Damascene Features, Wang Ying-Lung, ylwang@tsmc.com, Taiwan Semiconductor Manufacturing Company, Taiwan	
12:40	12:55	0:15		Oral, OFN-4652, New method for silica based hybrid sol-gel coating: production and oxidation, Wang Lidong, wld@hit.edu.cn, Harbin Institute of Technology, China	ONF-4624, surface plasmon resonance enhancement by periodic gold nanostructures, Kim Jin Ho, ajeoci@ajou.ac.kr, Department of Molecular Science and Technology, Ajou University, Korea (south)	TCR-4630, A Combination Of Al diffusion And Surface Nanocrystallization Of Carbon Steel For Enhanced Corrosion Resistance, D.Y. Li, dongyang.li@ualberta.ca, Dept. of Chem and Mater. Eng, University of Alberta, Edmonton, Alberta, Canada T6G 2G6, Canada	MPF-4023, Substrate nano-crystallization resulted enhancement in tribological properties of SiC films, Xu Xiao-Jing, xjxu67@ujs.edu.cn, Institute of Advanced Forming Technology, Jiangsu University, China	ETF-4582, Structures and magnetic properties of electroless Ni multilayers on Fe/Si substrate, Liu Wei Long, wlliu@nfu.edu.tw, Department of Materials Science and Engineering, National Formosa University, Taiwan	
12:55	13:10	0:15		Oral, OFN-4027, Laser receptive nanocoatings for high temperature applications, Kandasubramanian Balasubramanian, bala.kandasubramanian@pera.com, Pera Innovation Park, Melton Mowbray, Leicestershire, LE13 0PB, United Kingdom	ONF-4218, In-situ monitoring of Thermal Desorption of Alkanethiols with Different Chain Lengths using Surface Plasmon Resonance Spectroscopy, Li JIA, lijia0010@ntu.edu.sg, School of Materials Science and Engineering, Nanyang Technological University, Singapore	TCR-4282, Fluorinated DLC for Tribological Applications, James C. Sung, sung@kinik.com.tw, Kinik Company, Taiwan		ETF-4160, Reducing surface roughness of Cu thin films by electrical current stressing, Liao Chien-Neng, cnliao@mx.nthu.edu.tw, Department of Materials Science and Engineering, National Tsing Hua University, Hsinchu, Taiwan, Republic of China	
13:10	14:40	1:30		lunch cum poster	lunch cum poster	lunch cum poster	lunch cum poster	lunch cum poster	lunch cum poster
				ODF1 (Liu Dongping and Guenther Benstetter)	SND1(Kaifu Huo)	ONF2(Federico Rosei)	TCR2 (Li Dongyang)	poster room	poster room
14:40	15:05	0:25		ODF-4560, Advanced Scanning Probe Microscope Analysis of Functional Films and Semiconductor Devices, Benstetter Guenther, guenther.benstetter@fh-deggendorf.de, El. Engin. Dept., Deggendorf Univ. of Appl. Sciences, Germany	(Invited) SND-4173, Novel Cu Alloy Films for Barrierless Metallization on Si Used at High Temperatures up to 700 °C, JinnP. Chu, jpchu@mail.ntust.edu.tw, Institute of Materials Technology, National Taiwan University of Science and Technology, Taiwan	(14:50)ONF-4193, Three-Dimensional Metallic Photonic Crystals Fabricated by Double Templating, YAN Qingfeng, yanqf@ntu.edu.sg, Singapore-MIT Alliance, N3.2-01-36, 65 Nanyang Drive, Singapore 637460	Invited TCR-4371, Microstructure Evolution of EB-PVD (Ni,Ru)Al/NiAl Diffusion Barrier Coating for Ni-based Superalloy Substrate, Shengkai Gong, guo.hongbo@buaa.edu.cn, Department of Materials Science and Engineering, Beijing University of Aeronautics and Astronautics, China	poster room	poster room
15:05	15:20	0:15		ODF-4013, Study of vanadium doped ZnO films prepared by dc reactive magnetron sputtering at different substrate temperatures, Meng Lijian ljm@isep.ipp.pt, Departamento de Fica, Instituto Superior de Engenharia do Porto.	SND-4062, Investigation Effect of Catalyst and Different Temperature of Substrates on Morphological and Optical Properties of ZnO Nanowires, Ramin Yousefi, yousefi.ramin@gmail.com, Ramin Yousefi. Malavsia	ONF-4203, TiO2 Mesoporous Thin Film for Dye-sensitized Solar Cell Applications, XU Chen, X060015@ntu.edu.sg, School of Materials Science and Engineering, Nanyang Technological University, Singapore	TCR-4509, The physic properties and micro-mechanisms investigation of the annealed DLC coatings, Ming-Sheng Leu, menson@itri.org.tw, Intustrial Technology Research Institute, Taiwan	poster room	poster room

15:20	15:35	0:15	ODF-4033, OPTO-ELECTRONIC PROPERTIES OF CADMIUM TELLURIDE THIN FILMS, Bangera Kasturi V kv_bangera@yahoo.com, Physics Dept, National Institute of Technology Karnataka, India	SND-4063, Carbon Nanotube Carrier Statistic Near The Minimum Band Energy, Mohammad Taghi Ahmadi, ahmadiph@gmail.com, University Technology Malaysia, Malaysia	ONF-4385, The effect of inverse opal film thickness on efficiency of a photonic crystal dye-sensitized solar cell, YIP CHAN HOE, yipc0004@ntu.edu.sg, Singapore-MIT Alliance, Nanyang Technological University, Singapore	TCR-4480, Fracture toughness of ITO thin films on PET substrates by using energy release method, Rwei-Ching Chang, rcc@mail.sju.edu.tw, Department of Mechanical and Computer-Aided Engineering, St. John University, Taiwan	poster room	poster room		
15:35	15:50	0:15	ODF-4215, Effect of top electrode on the operation mode of HfOx based resistive memory, Chen Pang Shiu, pschen@must.edu.tw Department of Materials Science and Engineering, MingShin University of Science and Technology, Taiwan	SND-4105, Al-Doped Single-Crystalline SiC Nanowires Synthesized by Pyrolysis of Polymer Precursors, Weiyou Yang, weiyouyang@tsinghua.org.cn, Institute of Materials, Ningbo University of Technology, Ningbo, China	ONF-4208, Opaline backreflector coating in dye-sensitized solar cell, HERMAN Lia Agustine, liaa0001@ntu.edu.sg, School of Materials Science and Engineering, Nanyang Technological University, Singapore	TCR-4771, Microstructure and Tribological Properties of HVOF Sprayed WC-(Co, Ni, Cr) Coatings, Shen-Jenn Hwang, Jiing-Herng Lee, hwang6@nfu.edu.tw, Department of Mechanical Design Engineering, National Formosa University, Taiwan	poster room	poster room		
15:50	16:05	0:15	ODF-4266, High reflectance metallic thin films of reference mirror layers on sapphire substrate for LED applications, Lin Yuli, yulilin@chu.edu.tw, Mechanical Engineering Dept., Chung Hua University, Taiwan	SND-4512, Large-scale Synthesis of Mullite Nanowires by Molten Salt Method, Fu jijiang, paul.chu@cityu.edu.hk, Department of Physics & Materials Science, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong, China	ONF-4176, Fabrication of Periodic Square Arrays by Angle-Resolved Nanosphere Lithography, Lee Kwang Hong, leek0046@ntu.edu.sg, School of Materials Science and Engineering, Nanyang Technological University, Singapore	TCR-4380, Microstructure and High Temperature Stability of Plasma Sprayed LaTi2Al9O19 Thermal Barrier Coating, Hongbo Guo, guo.hongbo@buaa.edu.cn, Department of Materials Science and Engineering, Beijing University of Aeronautics and Astronautics, China	poster room	poster room		
16:05	16:20	0:15	ODF-4283, Structural, optical and electrical properties of the ZnO/Ag-Ti/ZnO multilayer transparent electrode, Cheng Da-Long dlcheng@mail.stu.edu.tw, Department of Computer and Communication, SHU-TE University, Taiwan		ONF-4760, Study of experimental parameters for nanosphere-based lithography for nano-patterning, Ashraf Mohammed, ashrafm@ntu.edu.sg, Micromachine Centre, School of MAE, Nanyang Technological University, Singapore	TCR-4778, Fabrication and Immersion Corrosion Behavior of Gradient Nickel-Based Multicomponent Alloy Thin Films, Fan-Bean Wu, fbwu@nuu.edu.tw, Dept. Materials Science and Engineering, National United University, Taiwan	poster room	poster room		
16:20	16:35	0:15	ODF-4355, Light emission from high-k dielectrics containing Ge nanocrystals, Chang S. T. stchang@dragon.nchu.edu.tw Dept. of E. E., National Chung Hsing University, Taiwan		ONF-4803, Characterization and Preparation of Oriented Iron Nanorod Arrays Using Aqueous Chemical Method, Lin Kuen-Song, kslin@saturn.yzu.edu.tw, Department of Chemical Engineering & Materials Science, Yuan Ze University, Taiwan	TCR-4617, Microstructural Characterization of Sputter Deposited Ti-Si-N thin films, R Jayaganthan, rjayafmt@iitr.ernet.in, Department of Metallurgical and Materials Engineering, Indian Institute of Technology Roorkee, India	poster room	poster room		
16:35	16:55	0:20	Teabreak cum poster							
			ODF2 (Guenther Benstetter)	SND2(Kaifu Huo)	CCE1 (J. H. Hsieh)	TCR3 (Zeng Xianting)	poster room	poster room		

16:55	17:20	0:25	ODF-4397, High thermally stable nonlinear optical polymer films containing dendritic chromophores, Qian Guodong, gdqian@zju.edu.cn, Department of Materials Science and Engineering, Zhejiang University, China		(16:55)CCE-4047, Thermally Evaporated Thin Films of SnS for Application in Solar Cell Devices (Invited), Miles Robert, School of CEIS, Northumbria University, United Kingdom	Invited TCR-4826, A new method for thermal spraying of Zn-Al coatings, Igor Gorlach, igor.gorlach@nmmu.ac.za, Mechatronics Department, Nelson Mandela Metropolitan University, South Africa	poster room	poster room		
17:20	17:35	0:15	ODF-4468, Parametric and Numerical Study on the Diffusion in a Metalized Amorphous Binary Alloys Film, Li Chuan mcli@ntu.edu.sg, Nanyang Technological University, Singapore	SND-4530, The crystallized mechanism and the optical properties of ZnO nanowires prepared by the sol-gel method, Kuan Jen Chen, fyhung@mail.mse.ncku.edu.tw, Institute of Nanotechnology and Microsystems Engineering, National Cheng Kung University, Taiwan	(17:20)CCE-4614, Fabrication of silicon heterojunction solar cells with selective emitters using hot-wire chemical vapor deposition and laser annealing (Invited), Wu Dong-Sing, Dept. Materials & Eng., Natl Chung Hsing University, Taiwan	TCR-4119, Formation and thermal stability of Ta-Si-N thin films formed by magnetron sputtering, Zhong Chen, aszchen@ntu.edu.sg, School of Materials Science and Engineering, Nanyang Technological University, Singapore	poster room	poster room		
17:35	17:50	0:15	ODF-4519, Annealing effect on SiGe-based metal-oxide-semiconductor device, Chen Yu-Hung, d9464301@mail.nchu.edu.tw, Department of Electrical Engineering, National Chung Hsing University, Taiwan	SND-4806, Effects of growth temperature on emission and structural properties of MgZnO layers grown by low-temperature MOCVD, Mi Kyung Choi, choimigyung@hanmail.net, Sungkyunkwan University, Korea (south)	(17:45)CCE-4012, Deposition of ZnS thin film by modified spray pyrolysis method and study its physical properties for optical sensor and solar cell applications, Arote Sandeep, Department of physics, university of pune, India	TCR-4342, Tribological behaviour of nanocrystalline titanium carbide/carbon nanotube:amorphous carbon nanocomposite coatings, Jianhui Wang, wang0159@ntu.edu.sg, School of Mechanical and Aerospace Engineering, Nanyang Technological University, Singapore	poster room	poster room		
17:50	18:05	0:15	ODF-4548, Highly reflective nc-Si:H / a-CN _x :H multilayer films prepared by radio-frequency PECVD technique, Ritikos Richard, richardritikos@gmail.com, Department of Physics, University of Malaya, Malaysia	SND-4678, Cathodoluminescence characteristics of alumina nanowires and nanoplates by non-catalyst growth, Jun Lin Wu, sjlin@mx.nthu.edu.tw, Material Science and Engineering Dept., National Tsing Hua University, Taiwan	(18:00)CCE-4393, Cold-wall, in-situ sulfurization of Cu-In, Chia-Hung Tsai, Materials Science and Engineering Dept., National Cheng Kung University, Taiwan	TCR-4297, Investigation of Effective Parameter in Improvement of the Corrosion resistance of the Stainless Steel 316L Samples with Silica Coating created via Sol-Gel method, Mohammad Ghaffari, m.ghaffari@pmail.ntu.edu.sg, School of Electrical and Electronic Engineering of Nanyang Technological University - Division of Micro Electronic, Singapore	poster room	poster room		
18:05	18:20	0:15	ODF-4733, Synthesis and characterization of hybrid thin films for nanoelectronics technology, Mahajan Ashok, amnmuj@yahoo.com, Department of Electronics, North Maharashtra University, Jalgaon - 425001 (M.S.), India	SND-4155, The nanodevice based on weak p-type single CuO nanowire: electric transport and chemical sensitivity, yuting@ntu.edu.sg, Physics & Applied Physics Division, School of Physics and Mathematics Sciences, Nanyang Technological University, Singapore		TCR4302, Microstructural Characterization of CrN thin films deposited by DC reactive magnetron sputtering, H.N. Shah, rjayafmt@iitr.ernet.in, Department of Metallurgical and Material Engineering & Centre of Nanotechnology, Indian Institute of Technology, Roorkee, India	poster room	poster room		
18:20	19:50	1:30	moving to BANQUET							
19:50	22:50	3:00	Banquet							

Day 3: 16th July 2008

			Room: 4E-1	Room: 4E-2	Room: 5E-1	Room: 5E-2	Room: 4F-1	Room: 4F-2
			ODF3 (Boxman Raymond and Liu Dongping)	SND3(Jinn P. Chu)	CCE2 (T. Miyata)	TCR4 (Igor Gorlach)	poster room	poster room
8:30	8:55	0:25		(Invited)SND-4508, One-step Synthesis of TiO ₂ /C Core-shell Nanowire Arrays on a Metal Ti Substrate and Their Field Emission Properties Properties, Huo Kaifu, paul.chu@cityu.edu.hk, City University of Hong Kong, HK, China	(8:30)CCE-4100, Thin-film solar cells (Invited), <i>ABERLE Armin</i> , Department of Electrical and Computer Engineering, National University of Singapore, Singapore	(Invited) TCR-4054, Synthesis and Characterisation of Thermal Stability in Aluminium Titanate (Al ₂ TiO ₅), Oo Zeya, zeya.saya@gmail.com, Dept. of Imaging and Applied Physics., Curtin University of Technology, GPO Box U1987, Perth, WA, Australia	poster room	poster room
8:55	9:10	0:15	ODF-4659, Epitaxial growth of ZnO thin films on 4H-SiC (0001) substrates prepared by pulsed laser deposition, KOO Sang-Mo, smkoo@kw.ac.kr, Dept. of Electronic Materials Engineering, Kwangwoon University, Korea (south)	SND-4466, The low-temperature solution-liquid-solid growth of arrayed CdS nanowires, Woo-Chul Kwak, embryo38@hotmail.com, Department of Materials Science and Engineering, Korea University, Korea (south)	(8:55)CCE-424, Deposition of Poly-Si and Oxide Materials for Solar Cells Applications (Invited), <i>Boo J.-H.</i> , Chemistry Dept., Sungkyunkwan University, Korea (south)	(Invited)TCR-4810, High Temperature Corrosion Behavior of Sputtered K38 Nanocrystalline Coating with Yttrium Additions in Molten Sulfate at 900C, Wang Fuhui, fhwang@imr.ac.cn, Institute of Metal Research, Chinese Academy of Sciences, China	poster room	poster room
9:10	9:25	0:15	ODF-4072, The Effect of Pb Content on the Characteristics of PbxS _{1-x} /n-Si Heterojunction., Nasir Eiman emnasir_7@yahoo.com, Baghdad university/college of science/physical department, Iraq	SND-4022, Theoretical Exposition Model for a Single-Electron Quantum Wires, MULA SIGIRO, mula_kimula@yahoo.co.id, PHYSIC DEPARTMENT, SUMATERAA UTARA UNIVERSITY, Indonesia	(9:20)CCE-4167, Space Solar Power Thin Film Technology Leads to the Development of High Efficiency Concentrator Arrays for Terrestrial PV Applications, <i>Fulton Michael</i> , Ion Beam Optics Inc., USA	TCR-4636, Micro-abrasion corrosion of DLC Coating on TC4 alloy in simulated body fluid environments, Weijiu Huang, huangweijiu@cqit.edu.cn, College of Material Science and Engineering, Chongqing Institute of Technology, China	poster room	poster room
9:25	9:40	0:15	ODF-4073, The Effect of Pb Content on the Characteristics of PbxS _{1-x} /n-Si Heterojunction., Nasir Eiman Sadon_h@yahoo.com Baghdad university/college of science/physical department, Iraq	SND-4715, Bandgap-engineered CdSxSe _{1-x} nanobelts and their application to photosensors, Kyoung Jin Choi, kjchoi@kist.re.kr, Nano-Materials Research Center, Korea Institute of Science and Technology, Korea (south)	(9:35)CCE-4289, Microstructure and optical properties of chromium containing amorphous hydrogenated carbon thin films (a-c:H/Cr), Cheng, Hsin-Yen, Department of Materials Science and Engineering, National Cheng Kung University, Taiwan	TCR-4798, Investigation of corrosion behavior of TiN-coated stainless steels by plasma sputtering, Masoud MORADSHAHI, mmoradshahi@aeoi.org.ir, Plasma Physics and Nuclear Fision Research School, Nuclear Science and Technology Institute, Iran	poster room	poster room
9:40	9:55	0:15	ODF-4701, Liquid crystal pretilt angle control on various structures of amorphous fluorinated carbon films by plasma beam processing, Tai-Hung Chen, g9502305@cycu.edu.tw, Department of Mechanical Engineering, Chung Yuan Christian University, Taiwan	SND-4017, Study on Phase Images of Carbon Nanotube Probe in Atomic Force Microscopy, Z.W. Xu, zongweixu@gmail.com, Research Centre of MicroNano Manufacturing Technology Tianjin University, 300072, China, China	(9:50)CCE-4668, Current Status and Future Prospects of PV in ITRI(Invited), <i>Y. C. Chen</i> , Photovoltaics Technology Center, Industrial Technology Research Institute, Taiwan	TCR-4024, Flame spray welding of NiCrBSi powder alloy on titanium alloy substrate, Xiao-Jing Xu, xjxu67@ujs.edu.cn, Institute of Advanced Forming Technology, Jiangsu University, China	poster room	poster room

9:55	10:10	0:15	ODF-4557, Electrical Properties of thermally deposited CdSe thin films, Borah Mothura N, mothura_borah@rediffmail.com, DR College, India				poster room	poster room
10:10	10:45	0:35	Teabreak cum poster					
			BCT1 (Cheng Kui)	OPF1 (Qi Guojun)	CCE3 (Jow-Lay Huang)	FPT1 (Hiroshi Fujioka and Dongfeng Xue)	poster room	poster room
10:45	11:10	0:25	BCT-4580, Preparation and Characterization of Calcium Phosphate dots on Titanium Surface, Kui Cheng, chengkui@zju.edu.cn, Dept. of Mater. Sci. & Eng., Zhejiang University, China	OPF-4558, (invited) Modeling and Simulation of Organic Thin Film Transistors, Holger Goebel, holger.goebel@hsu-hh.de, Electronics Dept., University of Bundeswehr Hamburg, Germany	(10:45) CCE-4811, Recent Progress of Impurity-doped ZnO Thin-Film Development for Transparent Electrode Applications (Invited), <i>Minami Tadatsugu</i> , Kanazawa Institute of Technology, Japan	Invited FPT-4191, Fabrication of semiconductor nanostructures by room temperature epitaxial growth techniques, Fujioka Hiroshi, hfujioaka@iis.u-tokyo.ac.jp, Institute of Industrial Science, the University of Tokyo, Japan	poster room	poster room
11:10	11:25	0:15	BCT-4276, Cell adhesion over two distinct surfaces varied with chemical and mechanical properties, Liao Jiunn-Der, jdliao@mail.ncku.edu.tw, Department of Materials Science and Engineering, National Cheng Kung University, Taiwan	OPF-4324, Atmospheric-pressure Plasma deposition of SiO ₂ Films for Super-hydrophobic Application, Shih-Hsien Yang, huichen@cc.ncku.edu.tw, Dept of Chemical Engineering and Materials Engineering, National Central University, Taiwan	(11:10) CCE-4140, Characteristics of the Nb- and Sn-doped TiO ₂ films prepared by dc/rf Co-sputtering, <i>SHIEU Fuh-Sheng</i> , Department of Materials Science & Engineering, National Chung Hsing University, Taiwan	FPT-4106, Temperature dependence of leakage mechanisms of sputtered polycrystalline BiFeO ₃ thin films, Li Yibin, liyi0003@ntu.edu.sg, School of Materials Science and Engineering, Nanyang Technological University, Singapore	poster room	poster room
11:25	11:40	0:15	BCT-4403, Antibacterial effects and cytocompatibility of titanium anodized in sodium chloride, calcium acetate, and beta-glycerol phosphate mixed solution., Kim Kyoung-Nam, kimkn@yuhs.ac, Department and Research Inst. of Dental Biomaterials and Bioengineering, Korea (south)	OPF-4349, The Effect of Varying Electric Field on Pyroelectric and Dielectric Properties of PVDF/TiO ₂ Composites, Wee Chen Gan, wcgan1981@yahoo.com.sg, Physics Dept., University of Malaya, Malaysia	(11:25) CCE-4224, On the structure and characterization of Al, Sc-co-doped ZnO-films varying with 0-1.07 wt% Sc contents, Jing-Chie Lin, Materials Science and Mechanical Engineering Dept., National Central University, Taiwan	FPT-4237, The Study of ZnO/LiNbO ₃ Layered SAW Oscillator Circuit for UV Detection, Wei Ching-Liang, d943010002@student.nsysu.edu.tw, Department of Electrical Engineering, National Sun Yat-Sen University, Taiwan	poster room	poster room
11:40	11:55	0:15	BCT-4510, Guiding Rat Pheochromocytoma Cells (PC12) Differentiation on Modified Polydimethylsiloxane (PDMS) Surface, Chu Paul K, paul.chu@cityu.edu.hk, Department of Physics & Materials Science, City University of Hong Kong, Hong Kong, China	OPF-4595, Inkjet Printing of MWCNT/Polymer Composite Thin Film for Interconnection, B. K. Lok, bklok@SIMTech.a-star.edu.sg, Multifunctional Substrate Technology Group, Singapore Institute of Manufacturing Technology, Singapore	(11:40), CCE-4320, Development of TiO ₂ -based transparent conducting oxide (Invited), <i>Hitosugi Taro</i> , Advanced Institute for Materials Research, Tohoku University, Japan	FPT-4040, Hydrothermal Route to Tunable Film Growth of Freestanding Nb ₂ O ₅ Nanorod Arrays, Li Keyan, dfxue@chem.dlut.edu.cn, Department of Materials Science and Chemical Engineering, School of Chemical Engineering, Dalian University of Technology, China	poster room	poster room

11:55	12:10	0:15	BCT-4515, Mechanical properties of Al ₂ O ₃ /Al Bi-layer Coated Biomedical AZ91 Magnesium Alloy, Chu Paul.K, paul.chu@cityu.edu.hk, Department of Physics and Materials Science, City University of Hong Kong, China	OPF-4670, Electrical bistability and carrier transport mechanisms of organic bistable devices, Kyu Ha Park, twk@hanyang.ac.kr, Division of Electronic Engineering, Hanyang University, Korea (south)	(12:05)CCE-4827, Efficiency Improvement of Plastic Solar Cells with Plasma Processing(Invited), Heeyeop Chae, Department of chemical engineering, Sungkyunkwan University, Korea (south)	FPT-4042 , Solution-Based Route to Semiconductor Films: Well-Aligned ZnSe Nanobelt Arrays, Liu Jun, dfxue@chem.dlut.edu.cn, School of Chemical Engineering, Dalian University of Technology, Dalian 116012, PR China, China	poster room	poster room		
12:10	12:25	0:15	BCT-4796, Degrdaton of biological coating for optical neural guiding experiment, Ou Chung-Jen, crou@mail.hit.edu.tw, Department of Electrical Engineering, Hsiuping Institute of Technology, Taiwan	OPF-4738, Characterization of the Poly(9,9-di-n-octyl-2,7-fluorene) thin films, Bo-Yu Su, markchun@isu.edu.tw, Department of Materials Science and Engineer, I-Shou University, Taiwan	(12:30)CCE-4048, SPUTTER DEPOSITION OF METALLIC THIN FILMS FOR APPLICATIONS IN SOLAR CELLS AND MEMS, KUMAR ABHISHEK, Material Science and Engineering, Stanford University, USA		poster room	poster room		
12:25	12:40	0:15	BCT-4812, Nanotube Morphology and Corrosion Resistance of a Low Rigidity Quaternary Titanium Alloy for Biomedical Applications, Choe Han-Cheol, hcchoe@chosun.ac.kr, Chosun University, Korea (south)	OPF-4786, Synthesis, characterization and mechanical properties of poly(ester urethane) modified carboxymethyl chitosan, Apiwat Kadnaim,adivat@hotmail.com, Chemistry Dept., Naresuan University, Thailand	(12:45)CCE-4651, C-axis Orientation (Al,B)N Films Deposited on Diamond Wafers by the Co-sputtering Technique for Diamond Base LED Applications, Huang Jow-Lay, Department of Materials Science and Engineering, National Cheng-Kung University, Tainan, Taiwan		poster room	poster room		
12:40	12:55	0:15	BCT-4034, Environmental Surface Owning Passively Antimicrobial Mechanism with Amorphous ZrAlNiCuSi Thin Film, Jang Jason Shian-Ching, scjang@isu.edu.tw, Materials Science and Engineering, I-Shou University, Taiwan	OPF-4792, Optical and electrochemical characterization of poly(3,4- propylenedioxythiophene) (PRODOT-S)thin films, Sindhu Sukumaran Nair, sindhunair@bits-pilani.ac.in, Practice School Division, BITS Pilani Professional development Center, India			poster room	poster room		
12:55	14:10	1:15	lunch							
			BCT2 (Vladimir Levchenko)	OPF2 (Qi Guojun)	CCE4 (Jyh-Ming Ting)	FPT2 (Shu Yin and Dongfeng Xue)	poster room	poster room		
14:10	14:35	0:25	BCT-4077, NANOTECHNOLOGIES: NEW GENERATION OF BIOLOGICAL COATINGS, Levchenko Vladimir, vladalev@yahoo.com, Colloid Chemistry Department Lomonosov Moscow State University, Russian Federation	OPF-4807 Preparation of Poly(3,4-ethylenedioxythiophene)-Poly(styrenesulfonate) Films on Polyacrylonitrile Nanofibers for Humidity Sensing Application, Department of Materials Science and Engineering, Silpakorn University, Thailand	(14:10)CCE-4726, Recent advances in very high frequency plasma enhanced CVD process for the fabrication of thin film silicon solar cells (invited), Rath Jatindra Kumar, Utrecht university, Faculty of Sciences, Debye Institute of Nanomaterials Science, Netherlands	Invited FPT-4164 , Soft Solution Synthesis of ZnO Films with Developed Superstructures, YIN Shu, shuyin@tagen.tohoku.ac.jp, Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Japan	poster room	poster room		

14:35	14:50	0:15	BCT-4078, Plasma enhanced chemical vapour polymerization surfaces for covalent immobilization of proteins, Yin Yongbai, yyin@physics.usyd.edu.au, Physics School, University of Sydney, Australia	OPF-4092 Organic passivation layer of thin-film transistors patterned by laser projection photoablation, Chao-Nan Chen, wu@mail.cgu.edu.tw, Institute of Electro-Optical Engineering, Department of Electronic Engineering, Chang Gung University, Taiwan	(14:35)CCE-4782, Preparation of CuInSe ₂ -related thin films by evaporation and selenization(Invited), Tseng bae-heng, Department of Materials and Optoelectronic Science, National Sun Yat-Sen University, Taiwan	FPT-4051, Ballistic Deposition Behavior on surface, maillou Ahmed, maillou@yahoo.com, Renewable Energy and water desalinatin Center, Libyan Arab Jamahiriya	poster room	poster room
14:50	15:05	0:15	BCT-4150, FEASIBILITY STUDY OF A NEW PLASMA COATING TO SUPPRESS BACTERIAL ADHESION IN ORTHOPAEDICS, Yeung Kelvin, kkyeung@hkucc.hku.hk, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong	OPF-4137, Ionic polymer-metal composite actuator based on PSMI-incorporated PVDF with chemical stability and performance durability, Jun Lu, junluprc@hotmail.com, School of Mechanical Systems Engineering, Chonnam National University, Korea (south)	(15:00)CCE-4414, Electrical Characterization of Defect States in Cu(In,Ga)Se ₂ Thin Films (Invited), SAKURAI Takeaki, Institute of Applied Physics, University of Tsukuba, Japan	FPT-4386, Domain configuration and phase transition for BaTiO ₃ thin films on tensile Si substrates, Qiao Liang, qliang@mse.buaa.edu.cn, School of Materials Science and Engineering, Beijing University of Aeronautics and Astronautics, China	poster room	poster room
15:05	15:20	0:15	BCT-4209, Formation and Biological Evaluation of Micro-Nano Porous Layer on Ti-Ag Alloy for Dental Implant, KIM KYOUNG-NAM, kimkn@yuhs.ac, BK 21 project, Research Institute of Dental Biomaterials and Bioengineering, Yonsei University College of Dentistry, Korea (south)	OPF-4292, Transition Enhancement in Pi-cells by Nanostructure, Yn-Yun Chang, pchen@mail.nctu.edu.tw, Department of Photonics & Display Institute, National Chiao Tung University, Taiwan	(15:25)CCE-4128, Study of chemical bath deposited Cu(InAl)Se ₂ thin films as an alternate candidate for solar cells, Balakrishnan Kavitha, Physics Department, Kongunadu Arts and Science College (Bharathiar University), India	FPT-4693, Effect of TiO _x Seeding Layers on the Texture and Electric Properties in PLCT Thin Films, Chi Qing-Guo, wdfei@hit.edu.cn, School of Materials Science and Engineering, Harbin Institute of Technology, Harbin, China	poster room	poster room
15:20	15:35	0:15	BCT-4210, Erosion resistance and reliability of plasma-sprayed hydroxyapatite coatings with hydrothermal crystallization, Yang Chung-Wei, Rei@mse.ncku.edu.tw, Department of Materials Science and Engineering, National Cheng Kung University, Taiwan	OPF-4311, Design and Fabrication of Integrated Shadow Mask for Full Angle Deposition Processes, Zhaohong HUANG, zhhuang@simtech.a-star.edu.sg, Surface Technology Group, Singapore Institute of Manufacturing Technology, Singapore	(15:40)CCE-4479, TiO ₂ Nanotube-Based Dye-sensitized Solar Cells, Zhang Sam, School of Mechanical and Aerospace Engineering, Nanyang Technological University, Singapore	FPT-4353, Fine fabrication of functional thin films via chemical routes, XUE Dongfeng, dfxue@chem.dlut.edu.cn, Department of Materials Science and Chemical Engineering, School of Chemical Engineering, Dalian University of Technology, Dalian, China	poster room	poster room
15:35	15:50	0:15	BCT-4547, Study of the interface between sol-gel derived hydroxyapatite and bioactive glass thin films, KÖSEOĞLU N. Can, c.koseoglu@gmail.com, Material Science and Engineering Dept., Gebze Institute of Technology, Turkey	OPF-4357 Addressable molecular junctions with optoelectronic switching performance for application in next generation of information storage, Jian Chang Li, jianchang_li@hotmail.com, School of Mechanical Engineering and Automation, Northeastern University, China	(15:55), CCE-4097, Hydrothermal Processed TiO ₂ Nanoparticles for Optimization in Dye-Sensitized Solar Cells Using Statistical Experimental Strategies, Yang Chien-Hsin, Department of Chemical and Materials Engineering, National University of Kaohsiung, Taiwan	FPT-4686, Structural and electrical properties of PZT and BST heterolayered thin films, LEE SUNGGAP, lsgap@gnu.ac.kr, Dept. of Ceramic Engineering, Eng. Res. Insti., i-cube center, Gyeongsang National University, Korea (south)	poster room	poster room

15:50	16:05	0:15	BCT-4166, Sol-gel derived Mg-doped fluoridated hydroxyapatite coatings on Ti6Al4V alloys, ZHANG Sam, msyzhang@ntu.edu.sg, School of Mechanical and Aerospace Engineering, Nanyang Technological University, Singapore	OPF-4407, Fabrication and actuation of Ionic-Polymer-Metal-Composite Actuators with Selectively Grown Multiple Electrodes, Jin-Han Jeon, ikoh@chonnam.ac.kr, School of Mechanical Systems Engineering, Chonnam National University, Korea (south)		poster room	poster room	
16:05	16:20	0:15	BCT-4729, Bactericidal efficiency of Photocatalytic TiO ₂ film prepared by RF Magnetron Sputtering, Banerjee I, indranibanerjee@bitmesra.ac.in, Department of Applied Physics, Birla Institute of Technology, India	OPF-4437 Mechanisms of the Li:Alq ₃ / V2O ₅ connecting unit in tandem organic light-emitting diodes, Cheng-Chieh Hou, shsu@isu.edu.tw, Department of Electronic Engineering, I-Shou University, Taiwan		poster room	poster room	
16:20	16:55	0:35	Teabreak cum poster					
			BCT3 (Cheng Kui)	OPF3 (Qi Guojun)	CCE5 (Chien-Hsin Yang)	FPT3 (Weidong Fei and Dongfeng Xue)	Room: 4F-1	Room: 4F-2
16:55	17:10	0:15	BCT-4546, Mn and Si co-substituted hydroxyapatite thin films produced by a sol-gel method, Aligul Büyükaksoy, aligulbuyukaksoy@gmail.com, Mater. Sci. and Eng. Dept., Gebze Institute of Technology Turkey	OPF-4491, Enhanced electroluminescence of organic light-emitting devices based on blend of PEDOT:PSS, Wang-Ta Chiang, shsu@isu.edu.tw, Department of Electronic Engineering, I-Shou University, Taiwan	CCE-4365, On the oxygen reduction reaction catalyzed by Ti - Cu binary films in 0.5 M sulfuric acid solution, Lin Jing-Chie, Department of Mechanical Engineering/Institute of Materials Science and Engineering, National Central University, Taiwan	Invited FPT-4039, Surface Fabrication of Nanoporous Semiconductor Thin Films: a Top-Down Chemical Strategy, Yan Chenglin, dfxue@chem.dlut.edu.cn, Department of Materials Science and Chemical Engineering, School of Chemical Engineering, Dalian University of Technology, China	poster room	poster room
17:10	17:25	0:15	BCT-4572, Hydroxyapatite-zirconia nanocomposite film formation on Titanium via micro-arc oxidation and chemical vapor deposition, Kim Min-Seok, neo Cecil-2@hanmail.net, Dept. Materials Sci. & Eng., Korea University, Korea (south)	OPF-4523, Influence of the nanocomposite gate dielectrics on OTFT characteristic, Chung Chieh Wang, jjw6329@yahoo.com.tw, National Cheng Kung University, Taiwan	CCE-4190, Effect of rapid thermal annealing on the optical properties and hydrophilic behavior of TaOxNy thin films, Hsieh J. H., Dept. of Materials Engineering, Mingchi University of Technology, Taiwan	Invited FPT-4695, Thickness dependence of residual stress and ferroelectric property of polycrystalline Pb(Zr _{0.52} Ti _{0.48})O ₃ film, Fei Wei-Dong, wdfei@hit.edu.cn, School of Materials Science and Engineering, Harbin Institute of Technology, Harbin, China	poster room	poster room
17:25	17:40	0:15	BCT-4451, Electrochemical Behavior of TiN Coated Ti-6Al-4V Alloy for Biomedical Application, Kim Jung Gu, kimjg@skku.ac.kr, Department of Advanced Materials Engineering, Sungkyunkwan University, Korea (south)	OPF-4742, Lifetime Improvement in Flexible Organic Light Emitting Diodes Using Lamination, Chung-Ming Wu, d9602002@stmail.isu.edu.tw, Dep. of Electronic Engineering, I-Shou University, Taiwan	CCE-4344, Fabrication of Ni-YSZ anode functional layer with fine structure by EB-PVD, Meng Bin, Center for Composite Materials, Harbin Institute of Technology, China	FPT-4059, ZnO films for acoustic wave microfluidic and bio-sensing technology, Fu Yongqing, R.Y.Fu@hw.ac.uk, Department of Mechanical Engineering, Heriot-Watt University, United Kingdom	poster room	poster room

17:40	17:55	0:15		OPF-4779, Efficiency Improvement of Flexible Phosphorescent Organic Light Emitting Diode by Inserting, Shun-Hsi Wang, fsjuang@seed.net.tw, Institute of Electro-Optical and Materials Science, National Formosa University, Taiwan	CCE-4610, Electric double layer capacitors based on CNTs grafted PAN-base activated carbon cloth, Chung, Chih-Ming, Department of Materials Science and Engineering, National Cheng Kung University, Taiwan	FPT-4161, Synthesis and Characterization of Multiferroic BiFeO ₃ powders / Thin Films Prepared by Chemical Solution Method, Gupta Alka, alkag@iitk.ac.in, Materials Science Programme, IIT Kanpur, India	poster room	poster room
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