

Nov. 20, 2011, Sunday	➤ 09:00 - 17:00	Short Course
	➤ 16:00 - 20:30	Registration
	➤ 18:30 - 20:30	Reception – <i>Banquet Hall</i>

Nov. 21, 2011, Monday	➤ 07:30 - 16:30	Registration
	➤ 08:15 - 10:00	Opening Remark / Keynote Speech
	➤ 10:45 - 17:45	Conference Session

Mon AM (Nov. 21)	Opening Remark / Keynote Speech (Conference Room: Banquet Hall)		
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08:15-08:30	President Jow-Lay Huang		Opening Remark
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08:30-09:15	Prof. Allan Matthews (<i>Keynote</i>) (Chair: Joe Greene)	Sheffield University UK	Optimising Tribo-contact Performance Using Plasma-based Surface Engineering Processes
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09:15-10:00	Prof. David Ginley (<i>Keynote</i>) (Chair: Li-Chyong Chen)	National Renewable Energy Laboratory, USA	Thin Film PV Challenges for Terawatt Production - Emerging Technologies
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10:00-10:45	Group Photos / Session Break		
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Mon AM (Nov. 21)	Symposium F: General subjects related to thin films and coatings		
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	<i>Session Chair: J. P. Chu</i>		Conference Room: Meeting Room (M106)
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10:45-11:15	Prof. Jens Birch (<i>Invited</i>)	Linköping University Sweden	Reactive Magnetron Sputter Epitaxy of High Quality Group III-Nitride Material
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11:15-11:30	Ruyen Ro	I-Shou University Taiwan	Surface Acoustic Wave Characteristics in the (100) ZnO/(100) AlN/Diamond Structure
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11:30-11:45	S. H. Yeh	Tatung University Taiwan	Influence of Nitriding processes on the Thermal Fatigue Behavior of JIS SKD61 Hot-Work Steels
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11:45-12:00	Cut Rullyani	National Taiwan University of Science and Technology, Taiwan	Study on Deformation Morphology of Bulk Metallic Glass Substrate After Rockwell Indentation: Effects of Various Overlay Coatings
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12:00-12:15	Geetha Mable Pinto	National Institute of Technology Karnataka, India	Electrochemical, AFM, Optical Profilometry, SEM/EDX study of 3-ethyl-4-benzylidene-5-mercapto-1,2,4-triazole (EBMT) as inhibitor for the corrosion of 6061 Al - 15 vol. pct. SiC(p) composite in a mixture of sulphuric acid and hydrochloric acid
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12:30-13:30	Lunch Break		
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Mon PM (Nov. 21)	Symposium F: General subjects related to thin films and coatings		
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	<i>Session Chair: Jyh-Wei Lee</i>		Conference Room: Meeting Room (M106)
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13:30-14:00	Prof. Chii-Ruey Lin (<i>Invited</i>)	National Taipei University of Technology, Taiwan	Fabrication of highly transparent ultrananocrystalline diamond films from focused microwave plasma jets
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14:00-14:15	Mu-Tse Lee	National Tsing Hua University Taiwan	Effects of Cr on thermal properties of Diamond/Ag Composites
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14:15-14:30	Seok Hee Lee	Yonsei University Korea	The electrical and corrosion properties of pre-oxidized and thermally nitrided low Cr containing stainless steel for polymer electrolyte membrane fuel cell bipolar plates
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14:30-14:45	Ruizhen Xu	City University of Hong Kong Hong Kong	Improved corrosion resistance on Cr and O ion implanted magnesium in simulated solutions
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14:45-15:00	Goh Boon Tong	University of Malay Malaysia	Enhancement of Optical Properties for a-Si:H Thin Films by Plasma Focus Beams
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15:00-15:15	Wei-En FU	Industrial Technology Research Institute, Taiwan	Nanohardness Evaluations of Ultra-Thin HfO ₂ Films
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15:30-16:00	Session Break		
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Mon PM (Nov. 21)	Symposium F: General subjects related to thin films and coatings		
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	<i>Session Chair: Jens Birch</i>		Conference Room: Meeting Room (M106)
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16:00-16:30	Prof. Sea-Fue Wang (<i>Invited</i>)	National Taipei University of Technology, Taiwan	Optimization Schemes on the Magnetron Sputtering Process with Computational Fluid Dynamics and Artificial Neural Network
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16:30-16:45	Yu-Wei Lin	National Cheng Kung University Taiwan	The Influence of Pd on the interfacial reactions between the Pd-plated Cu ball bond and Al pad
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16:45-17:00	W.-H. Lian	National Taipei University of Technology, Taiwan	Physical properties and micromachining of DC sputtered GeSbTe films
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17:00-17:15	L. J. Li	Yuan Ze University Taiwan	Improvement of magnetic properties of CoCuPt L11 thin film on glass substrate by fine-tuned microstructure
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17:15-17:30	Tribedi Bora	Indian Institute of Technology India	Electrical Resistivity and Magnetic Properties of Nd _{0.85} K _{0.15} MnO ₃ Thin Films
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Nov. 22, 2011, Tuesday				➤ 07:30-16:30	Registration
				➤ 08:15-10:30	Keynote Speech
				➤ 11:00-12:15	Conference Session
				➤ 12:15-14:15	Poster Session
Tue AM (Nov. 22)	Keynote Speech (Conference Room: Banquet Hall)				
08:15-09:00	Prof. Hans Hofsä <i>(Keynote)</i> (Chair: Jyh-Ming Ting)	University of Goettingen Germany	Synthesis of Nanostructured Films by Self-organization		
09:00-09:45	Prof. Stan Vepek <i>(Keynote)</i> (Chair: Fu-Hsing Lu)	Technical University Munich Germany	Design Concept for Hard and Superhard Nano-Structured Coatings, the Critical Parameters for their Preparation and Industrial Applications		
09:45-10:30	Prof. Sam Zhang <i>(Keynote)</i> (Chair: Aleksey Yerokhin)	Nanyang Technological University Singapore	Toughness evaluation of hard coatings and thin films		
10:30-11:00	Session Break				
Tue AM (Nov. 22)	Symposium F: General subjects related to thin films and coatings				
	<i>Session Chair: B. R. Huang</i>		Conference Room: Meeting Room (M106)		
11:00-11:30	Prof. J.Y. Wang <i>(Invited)</i>	Shantou University China	A Versatile Model for Quantification of Sputter Depth Profiling and its Application in Nano-layered Structures		
11:30-11:45	Masashi Kurosawa	Kyushu University Japan	Catalytic-growth of Si-based thin-films for advanced semiconductor devices		
11:45-12:00	Tien Tung Luong	National Chiao Tung University Taiwan	Growth of high quality and crack-free thick AlGaN films on sapphire substrates using high-temperature AlN interlayer by MOCVD		
12:00-12:15	Yuki Tojo	Kyushu University Japan	Formation of High-Quality Ge-on-Insulator (GOI) Networks for Next-Generation Large-Scale-Integration (LSI)		
12:15-14:15	Lunch Break Poster Session (Symposium A - Symposium F)				
14:30-18:30	Half Day Tour				
19:00-22:00	Banquet (Banquet Hall)				

Nov. 23, 2011, Wednesday				➤ 07:30-12:00	Registration
				➤ 08:15-10:30	Keynote Speech
				➤ 11:00-15:00	Conference Session
Wed AM (Nov. 23)	Keynote Speech (Conference Room: Banquet Hall)				
08:15-09:00	Dr. Kuei-Hsien Chen <i>(Keynote)</i> (Chair: Jow-Lay Huang)	National Taiwan University Taiwan	Nanomaterials for Hydrogen Energy Conversion		
09:00-09:45	Prof. Yury Gogotsi <i>(Keynote)</i> (Chair: Masahiro Yoshimura)	Drexel University USA	Carbide-Derived Carbon Films for Capacitive Energy Storage		
09:45-10:30	Prof. J.G. Duh <i>(Keynote)</i> (Chair: Ming-Show Wong)	National Tsing Hua University Taiwan	Quest for Multi-functional Coatings		
10:30-11:00	Session Break				
Wed AM (Nov. 23)	Symposium F: General subjects related to thin films and coatings				
	<i>Session Chair: Pao-Chi Chen</i>		Conference Room: Meeting Room (M106)		
11:00-11:30	Prof. Jyh-Ming Ting <i>(Invited)</i>	National Cheng Kung University Taiwan	Microstructure analysis and phase transformation of CuInS ₂ thin films during sulfurization and the resulting solar cell performance		
11:30-11:45	Yeong-Lin Lai	National Changhua University of Education, Taiwan	Pattern Replication Using Polymer Embossing		
11:45-12:00	Yu Liu	Loughborough University UK	X-Ray Tomography Based Lattice Boltzmann Simulation Study on Carbon Cloth Gas Diffusion Materials		
12:30-13:30	Lunch Break				

Wed PM (Nov. 23)	Symposium F: General subjects related to thin films and coatings		
	<i>Session Chair: Jyh-Wei Lee</i>		Conference Room: Meeting Room (M106)
13:30-14:00	Prof. Jyh-Wei Lee <i>(Invited)</i>	Mingchi University of Technology Taiwan	The effect of Cr/Zr chemical composition ratios on the mechanical properties of CrN/ZrN multilayered coatings deposited by cathodic arc deposition system
14:00-14:15	Pao-Chi Chen	Lunghwa University of Science and Technology, Taiwan	Influence of sputtering condition on the film thickness of cerium oxide
14:15-14:30	J.Y. Wang	Shantou University China	Size effect on surface segregation in Ni-Cu alloy thin films
14:30-14:45	Sean Wu	Tung-Fang Design University Taiwan	Microstructures of (100) AlN films on polycrystalline diamond by sputtering
14:45-15:00	Shin-Nan Li	National Chung Hsing University Taiwan	Planar Sn-Cu intermetallic formation of strained substrates
15:00	Conference Adjourn		