

Technical Program of Asian Joint Conference

The First Day: September 4 (Sun.), 2011	
16:00-18:00	Registration (Hotel Lobby)
18:00-20:00	Welcome Reception (Zhonghua Restaruant, 2F)

The Second Day: September 5 (Mon.), 2011						
	2F-2nd Meeting Room	3F-1st Meeting Room	2F-3rd Meeting Room	3F-2nd Meeting Room	Conference Hall, 2F	
8:30-9:00	Registration (Hotel Lobby)					
9:00-9:30	Welcome & Opening Ceremony (Conference Hall, 2F)					
9:30 - 9:50	Group Photo (1F)					
9:50-10:20	[Plenary Lecture 1] (Conference Hall, 2F) The Thermal Diffusion Issue of Rubber-based Composite Materials Prof. Lianxiang Ma (Qingdao University of Science and Technology)					
10:20-10:50	[Plenary Lecture 2] Polymer Nanocomposites and Foams for Energy and Environmental Applications Prof. Ly James Lee (The Ohio State University)					
10:50-11:00	Break Time					
11:00-11:30	[Plenary Lecture 3] Highly Transparent Polypropylene Sheet by Using Optimum Screw Design and Multi-Layered Structure Dr. Toshitaka Kanai (Idemitsu Kosan Co., Ltd.)					
11:30-12:00	[Plenary Lecture 4] Influence on Foaming Status and Surface Quality Improvement During Microcellular Injection Molding Process via a Control Mechanism of Gas Counter Pressure and Dynamic Mold Temperature Variation Prof. Shia Chung Chen (Chung Yuan Christian University)					
12:00-13:30	Lunch Time (Zhonghua Restaurant ;2F)					
	Injection Molding & Mold Technology I	Fiber Spinning & Film I	Novel Materials, Alloys, Blends & Composites I	Chinese Session I		Exhibition
13:30-14:00	Keynote 01 Flow Mark (Tiger Stripe) and Striped-Pattern Deterioration Appeared on Injection Moldings Composed of Polypropylene / Rubber Blend: Analysis in terms of Morphology, Higher order structure and Material Design (Idemitsu Technofine Co., Ltd.) <u>Koki Hirano</u>	Keynote 02 Stress versus Birefringence Behavior during Uniaxial Stretching and Relaxation Processes of Cyclo-olefin Copolymer Films (Tokyo Inst. of Tech.) Hiroto Menju, Wataru Takarada, <u>Takeshi Kikutani</u>	Keynote 03 Polypropylene Compounds for Automotive Applications (Sumitomo Chemical Co.) <u>Taketo Kitayama</u>	Keynote-C 01 Rubber and plastic recycling technology (Qingdao Univ. of Scie. and Tech.) <u>Chunsheng Wang</u>	13:30-14:00	
14:00-14:20	OE-01 Investigation on Three Dimensional Flow Behavior in Water Assisted Injection Molding (CoreTech System) <u>Fu Hung Hsu</u>	OE-02 Effect for Transparency on Polypropylene Sheets by Multilayer Sheet Extrusion (Kanazawa Univ.) <u>Shota Kuratani</u> , Toshiro Yamada, (Idemitsu Kosan Co.,Ltd) Akira Funaki, Toshitaka Kanai	OE-03 Nanostructured Multicomponent Polymeric Materials by High-Shear-Processing (Hangzhou Normal Univ.) <u>Yongjin LI</u>	OC-01 Preparation of bio-starch or SPI modified and application as filler in BR/SBR blends (Shenyang university of chemical technology) <u>Qinghong Fang</u>	14:00-14:20	
14:20-14:40	OE-04 Study on Silver Streak Generation in Downstream Area of Rib During Injection Molding (Sumitomo Chemical Co.) <u>Xue Han</u> , Nobuhiro Usui, (Univ. of Tokyo) Hidetoshi Yokoi	OE-05 “Gradual-Thickness-Variation” to Solve the Warpage of IMD in Injection Molding Plastics Parts (Chung Yuan Christian Univ.) <u>Radium Huang</u>	OE-06 Development of Circular Polarized Glasses for 3D TV (Yamamoto Kogaku) N.Yamamoto, N.Obuchi, (Ryoko Chemical Co. ,Ltd.) H.Nakamura, <u>T.Umemura</u>	OC-02 Dynamic Mold Temperature Control Using External Wrapped Inductor Heating Combined with Coolant Cooling (Nanya Inst. of Tech.) <u>Suhsia Lin</u>	14:20-14:40	
14:40-15:00	OE-07 Correlation between Molding Condition and Foam Morphology of PP and HIPS with X-ray CT in Microcellular Injection Molding Part2 (Saitama Ind. Tech. Center) <u>Yamada Takehiro</u> , (The Univ. of Tokyo) Hidetoshi Yokoi	OE-08 Study on Bi-axially Stretched Co-polyester Film with Has Uniaxially Heat Shrinkage Properties (Toyobo Co.) <u>Masayuki Haruta</u> , Yukinobu Mukouyama, Norimi Tabota, Katuya Ito (Kanazawa Univ.)Toshirou Yamada	OE-09 Novel Material Design by Precise Control of Molecular Orientation for Polypropylene (JAIST) <u>Masayuki Yamaguchi</u> , Panitha Phulkerd, (New Japan Chemical) Yohei Uchiyama	OC-03 Gas-assisted Mold Temperature Control on Double-sided Heating and Micro-structures Molding (Chung Yuan Christian Univ.) <u>Jen An Chang</u>	14:40-15:00	
15:00-15:30	Keynote 04 Ideal Gate of Plastic Injection Mold (Soceity of Advanced Molding Tech.) <u>Chang Yu Hsu</u>	Keynote 05 Poly(lactic acid) Based Blends and Composites: Blown Film and Foam Processability (Indian Inst. of Tech.) <u>Anup K. Ghosh</u>	OE-10 Effects of Silane Treatment on Hybridized Use of Short Cellulose Fibers and Silica Particles for Natural Rubber Reinforcement (Prince of Songkla Univ.) N.Lopattananon, D.Jitkalong, (Silpakorn Univ.) M.Seadan, (Shizuoka Univ.) <u>T.Sakai</u>	OC-04 The MuCell® Microcellular Foaming Technology: New Trends & Applications (Trexel Hong Kong Limited) <u>Partick Tong</u>	15:00-15:20	

The Second Day: September 5 (Mon.), 2011							
	2F-2nd Meeting Room	3F-1st Meeting Room	2F-3rd Meeting Room	3F-2nd Meeting Room	Conference Hall, 2F		
15:30-15:40	Break Time					Poster Session	Exhibition
	Injection Molding & Mold Technology II	Fiber Spinning & Film II	Recycle & Environmental Technology	Special Session			
	Keynote 06	Keynote 07	Keynote 08	OC-05			
15:40-16:10	A Concept of Differential-Integral Method Applied in Polymer Processing and Molding (Beijing Univ. of Chemical Technology) <u>Yang Weimin</u>	Nonlinearity and Slip Behavior of N-hexadecane in Oscillatory Shear Flow via Nonequilibrium Molecular Dynamic Simulation (Tsing Hua Univ.) <u>Rong Yu Chang</u>	Material Recycling of Plastics from Used Home Appliances (Mitsubishi Electric Corp.) Y. Matsuo, Y. Endo, K. Fujimura, N. Hirano, M. Mukuda, F. <u>Baba</u> , Y. Iseki, K. Fujisaki, K. Tsutsui and S. Ogasawara	Three Dimension Overlay Method (TOM) I (Fu-se Vacuum Forming Ltd.) <u>Takayuki Miura</u>			
	OE-11	OE-12	OE-13	OC-06			
16:10-16:30	Visualization Analysis of Flow Behavior of Carbon Fiber Reinforced Materials in Injection Molding (The Univ. of Tokyo) <u>Ryosuke Mori</u> , Hidetoshi Yokoi, Yoshinori Kanetoh	Mechanism of Surface Roughness Development in Melt Spinning of Blends Fibers for Artificial Hair (Tokyo Inst. of Tech.) <u>Xiaoshi Xu</u> , (Unihair Co.) Yutaka Shirakashi, (Tokyo Inst. of Tech.) Junya Ishibashi, Wataru Takarada, Takeshi Kikutani	Polymer Alloy of Bio-based Polymer and Polypropylene via Reactive Processing (Sumitomo Chemical Co.) K. Kameo, K. Tajima, <u>N. Hosaka</u> , M. Shimano	Three Dimension Overlay Method (TOM) II (Fu-se Vacuum Forming Ltd.) <u>Takayuki Miura</u>			
	OE-14	OE-15	OE-16	OC-07			
16:30-16:50	Visualization Experiment Study on the Filling Behavior of Composite Materials during Injection Molding Process (Dalian Univ. of Tech.) <u>Jiang Kaiyu</u>	The effect of Post Curing on Physical properties (Far East Univ. of Scie. and Tech.) <u>Pei Ming Hsu</u>	A Vibratile Injection Compression Molding Process for Fabrication Multi-Scale Optical Elements (National Taiwan Univ. of Scie. and Tech.) <u>Chao Chang Chen</u>	In Mold Direction Technology and It's application IMD (IMT INMOLD Ltd.) <u>Alfred Au</u>			
	OE-17	OE-18	OE-19	OC-08			
16:50-17:10	Visualization Analysis of Three Dimensional Inner Melt Flow Behavior Using High-speed Rotary Runner Exchange System (The Univ. of Tokyo) <u>Yoshinori Kanetoh</u> , Hidetoshi Yokoi	The Deformation Behavior of Polypropylene Film under High Strain Rate (Kanazawa Univ.) Masayoshi Tokihisa, <u>Toshiro Yamada</u> , Hiroshi Fukuda , (The Japan Steel Works Ltd) Yoshiyuki Kushizaki, Hideki Tomiyama	Development of Composite Materials with Peanut Husks (Nihon Univ.) <u>Susumu Takahashi</u> , Goichi Ben, (Tokyo Metropolitan Ind. Tech. Res. Inst.) Yasuhiro Nishikawa	Study on the Effect of Film Heat Transfer Retardation on the Warpage of In-Mold Roller Injection Molding (Nanya Inst. of Tech.) <u>Rean Der Chien</u>			
17:10-18:50	Poster Presentation [Obligation Time] (Conference Hall, 2F)						
18:50-19:00	Break Time						
19:00-21:00	Conference Banquet (Zhonghua Restaurant ; 2F)						

The Third Day: September 6 (Tue.), 2011				
8:30-9:00	Registration (Hotel Lobby)			Exhibition
9:00-9:30	[Plenary Lecture 5] (3F-2nd Meeting Room) Finite Element Analysis of Melt-Mixing in Twin Screw Extruders with Special Geometries Prof. Toshihisa Kajiwara (Kyushu University)			
9:30-10:00	[Plenary Lecture 6] New Approaches for Producing Parts with Quality Surface and without Swirl Marks Using Microcellular Injection Molding Prof. Lih Sheng Turng (University of Wisconsin-Madison)			
10:00-10:30	[Plenary Lecture 7] Fabrication of Balloon-expandable Self-lock Drug-eluting Polycaprolactone Stents Using Micro-injection Molding and Spray Coating Techniques Prof. Shih Jung Liu (Chang Gung University)			
10:30-10:50	Break Time			
	2F-2nd Meeting Room	3F-1st Meeting Room	3F-2nd Meeting Room	
	Injection Molding & Mold Technology III	Process Control	Chinese Session II	
10:50-11:20	Keynote 09 Recent Trend of the Injection Molding System (Nissei Plastic Ind. Co., Ltd) <u>Michihiro Tatsuno</u>	Keynote 10 Test Performance of Advanced Injection Molding Control System (Hong Kong Univ. of Scie. and Tech.) <u>Furong Gao</u>	OC-09 System integration of molding process (East China Univ. of Science and Tech.) <u>Linsheng Xie</u>	
	OE-20 Organomelt (Engel Machinery (Shanghai) Co., Ltd.) <u>Auboeck Thomas</u>	OE-21 Optimum Design Method for Injection Molding Die using Nonlinear Approximation Method (Kyoto Inst. of Tech.) <u>Atsushi Yokoyama</u>	OC-10 Mixing behavior of novel non-symmetrical with the self-cleaning twin-screw extruder (Guangdong Ind. Tech.College) <u>Baiping Xu</u>	
11:40-12:00	OE-22 The Green Way to Energy Efficient Production (Engel Machinery (Shanghai) Co., Ltd.) <u>Auboeck Thomas</u>	OE-23 Effect of Silica's Particle Size on The Mechanical/Thermal/ Foaming/Rheological Properties of Microcellular Injection Molded PP Composites (Ching-yun Univ.) <u>Shyh Shin Hwang</u>	OC-11 Kistler-cavity pressure technology and application (Kistler) <u>Rongcheng Zheng</u>	
	OE-24 Mechanical Properties of Jute Spun Yarn Reinforced Bio-PA/ MAPP Hybrid Composites (Kyoto Inst. of Tech.) Patcharat Wongsriraksa, <u>Asami Nakai</u>	OE-25 Surface Roughness Control for Stretched Polypropylene Film (Kanazawa Univ.) <u>Kousuke Takino</u> , (Prime Polymer Co.,Ltd) Satoshi Tamura, (Kanazawa Univ.)Toshiro Yamada, (Idemitsu Kosan Co.,Ltd) Tositaka Kanai	OC-12 Study the Influence of Stirred Mixing on Casting of Fly Ash-Aluminum (Taiwan Ocean Univ.) <u>Shueiwan H. Juang</u>	
12:20-14:00	Lunch Time (Zhonghua Restaurant ;2F)			
	Injection Molding & Mold Technology IV	Novel Materials, Alloys, Blends & Composites II	Chinese Session III	
14:00-14:30	Keynote 11 The Integration of Unified Knowledge Management with Mold-Design Navigating Process (Chung Yuan Christian Univ.) <u>Wen Ren Jong</u>	Keynote 12 Mechanical Properties and Morphology of Natural Rubber with Nanomaterix Structure (Nagaoka Univ. of Tech.) <u>Seiichi Kawahara</u> , Yoshimasa Yamamoto	OC-13 The Latest Development and Achievement of Moldex3D Plastic Injection Simulation Technology (Moldex3D) <u>David Hsu</u>	
	OE-26 Precise Injection Molding of Bio-absorbable HA/PLLA Composites (Yamagata Univ.) Tetsuo Takayama, Kazuyasu Uchiumi, <u>Hiroshi Ito</u>	OE-27 Development of Polymer/Nanoparticle composite Materials Using High Pressure Fluids (Hiroshima Univ.) <u>Shin-ichi Kihara</u> , Masaaki Okamoto, Ai Nagira, Masashi Haruki, and Shigeki Takishima	OC-14 Success Stories of Moldex3D CAE Application on Mold/Part Design and Optimization (Moldex 3D) <u>Jimmy Chien</u>	
14:50-15:10	OE-28 Numerical Simulation of Optical Property in Injection Compression Molding and Experimental Validation (CoreTech System) <u>Fu Hung Hsu</u>	OE-29 Hydrogenated Natural Rubber Having Epoxy Group Content (Hanoi Univ. of Scie. and Tech.) <u>Phan Trung Nghia</u> , (Nagaoka Univ. of Tech.) Hirufumi Onoe, Yoshimasa Yamamoto, Seiichi Kawahara	OC-15 The application of MOLDFLOW in the deformation of the vehicle interior decoration cover (Qingdao Hitechmoulds Co.,Ltd) <u>Reige Wang</u>	
	OE-30 Molding Condition Dependency on Optical Characteristic and Product Shape in Injection Molding of Fluorene Polymers (Osaka Gas Chemical Co.,Ltd.) <u>Mariko Kato</u> , Hidehiko Ibuki, (Yamagata Univ.) Hiroshi Ito	OE-31 Elastic Recovery of Low-isotacticity Polypropylene Bi-component Fibers (Idemitsu Kosan Co.,Ltd) <u>Youhei Kohri</u> , Tomoaki Takebe, Yutaka Minami, Toshitaka Kanai, (Tokyo Inst. of Tech.) Wataru Takarada, Takeshi Kikutani	OC-16 Research Advances in Precision Injection Molding Technology (Beijing Univ. of Chemical Technology) Xie PengCheng	

The Third Day: September 6 (Tue.), 2011					
	2F-2nd Meeting Room	3F-1st Meeting Room	3F-2nd Meeting Room		
15:30-15:40	Break Time			Exhibition	
	Injection Molding & Mold Technology V	Processing Technology	Chinese Session IV		
15:40-16:00	OE-32	OE-33	OC-17		
	Visualization Analysis of Injection Molding Process Using Rapidly Heated and Cooled Molding Technology (The Univ. of Tokyo) <u>Jumpei Takikawa</u> , Hidetoshi Yokoi	Laser Welding of Fluor Plastics Assisted by a Solid Heat Sink Transparent to Infrared Radiation (Campus Create) <u>Kimitoshi Sato</u> , (Horiuchi Electronics) Takuhei Osawa, (Univ. of Electro-Communications) Yasuo Kurosaki	Modification of chain extension reagent on glass fiber reinforced nylon composites (Shenyang Univ. of Chem. Tech.) <u>Ge Tie-Jun</u>		
16:00-16:20	OE-34	OE-35	OC-18		
	Automatic Cavity Process Control Technology for Nano Structure (Christopherrus Bader, Per Magnus Kristiansen) <u>Duen Yi Yang</u>	Sustainable Chemistry: Esterification of Konjac Glucomannan and Its Application in Heavy Metal Removal <u>Tsi Chang</u>	Study of pre-sheared melt inducing β form iPP in injection molding part (Zhenzhou University) <u>Zheng Guoqiang</u>		
16:20-16:40	OE-36	OE-37	OC-19		
	Shrinkage Characteristics of Cylindrical PPS Parts in Precision Injection Molding by Cooling Rate Control (Mitsubishi Electric Corp.) M.Imaizumi, M.Ogawa, J.Kitayama, (The Univ. of Tokyo) H.Yokoi	The Effect of Adding Polysilane on Heat Fusion Properties of Various Kinds of Polyethylene (Univ. of Shiga Pref.) <u>Katsuhisa Tokumitsu</u> , (Osaka Gas Chemical Co., Ltd) Masahiro Yamada, Mika Nakamura, Kana Kobori	Crystallization Behavior of Polypropylene/Syndiotactic 1,2-Polybutadiene(PP/s-PB) Blending materials (Shenyang Univ. of Chem. Tech.) <u>He Xiao-Feng</u>		
16:40-17:00	OE-38	OE-39	OC-20		
	Characterizing The Polishing Effect of Magnetic Finishing with Gel Abrasive in Stainless Steel Tube (Ching-yun Univ.) <u>A Cheng Wang</u>	Structure and Adhesion Strength of metallocene-PE/PP Interface (Kyoto Inst. of Tech.) Katsuhisa Kitano, Shota Koga, (Sumitomo Chemical Co.) Takeo Kitayama, (Kyoto Inst. of Tech.) <u>Masaya Kotaki</u>	Preparation and Application of Functional Micro-Nano Lamination Composites (Beijing Univ. of Chemical Technology) Zhiwei Jiao		
17:00-17:20	Break Time				
17:20-17:40	Closing Ceremony (3F-2nd Meeting Room)				
17:40-18:00	Break Time				
18:00-20:00	Farewell Dinner (Zhonghua Restaurant ;2F)				

The Fourth Day: September 7 (Wed.), 2011	
	Technical tour
AM	Go to Qingdao Univ. of Science and Technology
PM	Go to Haier Company Limited
PM	Go to Tsingtao Brewery Company Limited