

ORAL Presentation Program of AWPP2008

August 27 (Wed.), 2008

	Room A (Lecture Room I-123)	Room B (Lecture Room I-124)
08:50-09:20	Registration	
09:20-09:35	Opening Ceremony	
09:35-10:35	[Plenary Lecture: Room C (Meeting Room I3-304)] Large Area Replication of Microstructures onto Polymeric Substrates <i>Prof. Sen-Yeu Yang (National Taiwan University, TW)</i>	
10:35-10:50	Break Time	
10:50-11:20	Extrusion and Compounding	Rheology and Rheometry
	Chair: <i>W. Chinsirikul (MTEC, TH)</i>	Chair: <i>S. Kawahara (Nagaoka Univ. of Tech., JP)</i>
	A-101 [KEYNOTE] Recent Progresses in Extrusion Technology <i>(Shizuoka Univ., JP) *Tadamoto Sakai</i>	B-101 [KEYNOTE] Beyond Rheometry <i>(Seoul National Univ., KR) *Kyung Hyun Ahn, Seung Jong Lee</i>
11:20-11:40	A-102 Experimental Analysis for Extrusion Screw Geometry to Produce Highly Transparent Polypropylene Sheet <i>(Idemitsu Unitech Co.,Ltd., JP) *Akira Funaki, Toyokazu Takubo, (Idemitsu Kosan Co.,Ltd, JP) Toshitaka Kanai</i>	B-102 Coarse-grained Molecular Simulations for Microphase-Separated Diblock Copolymer Systems Based on the Soft Dumbbell Model <i>(Kyoto Univ., JP) *Takashi Uneyama</i>
11:40-12:00	A-103 An Evaluation Method for Mixing Characteristics of Segments in Twin-Screw Extruders <i>(Kobe Steel, Ltd., JP) *Kazuhisa Fukutani, Sayaka Yamada, Yasuaki Yamane, Kazuo Yamaguchi</i>	B-103 Flow Simulations of Dynamic Wetting Line at Reverse-roll Coater <i>(Mitsui Chemicals, Inc., JP) *Hirohisa Shiode, Hiroki Tamai, Takeharu Isaki</i>
12:00-12:20	A-104 Influence of Pellet Morphology and Thermal History on Injection Moldings of Recycled Poly(ethylene terephthalate) <i>(Kyoto Inst. of Tech., JP) *S. F. Aminuddin, Y. W. Leong, B. C. Ogazi-Onyemaechi, Hiroyuki Hamada, (Yasuda-Sangyo Co. Ltd., JP) H. Inoya</i>	B-104 Strain Hardening of Linear Polymer Nanocomposites Fabricated by Surface Modification of Silica <i>(Seoul National Univ., KR) *Hyung Tag Lim, Kyung Hyun Ahn, Seung Jong Lee</i>
12:20-13:20	Lunch Break	
13:20-13:50	Fiber Spinning and Film 1	Novel Material & Processing, and Process Optimization 1
	Chair: <i>K. H. Ahn (Seoul National Univ., KR)</i>	Chair: <i>T. Morii (Shonan Inst. of Tech., JP)</i>
	A-105 [KEYNOTE] Melt Spinning of Elastomeric Fibers <i>(Tokyo Inst. of Tech., JP) Xiuqin Shi, Yohei Kohri, Masaya Kitayama, Wataru Takarada, (Yamagata Univ., JP) Hiroshi Ito, (Tokyo Inst. of Tech., JP) *Takeshi Kikutani</i>	B-105 [KEYNOTE] Manufacturing of Thermal Management Mould Using Hybrid Rapid Tooling Technology <i>(Chosun Univ., KR) *Dong-Gyu Ahn, Hyun-Woo Kim, (Woo-Sung Precision Co. Ltd., KR) Hyung-Su Kim</i>
13:50-14:10	A-106 Deformation Behavior Analysis of PET Sheet in a Rolling-drawing Hybrid Method Part1 -Establishment of the Analytical Model by a Finite Element Method- <i>(Kanazawa Univ., JP) *Hironari Sudeji, Toshiro Yamada, (Sekisui Chemical Co.,Ltd, JP) Hisashi Eguchi, Shigeru Ogasawara, (Sekisui Engineering Co.,Ltd, JP) Takamasa Yagi</i>	B-106 Development of Hybrid Molding Technology for Automotive Parts <i>(Sumitomo Chemical, Co., Ltd, JP) *Jinsho Nambu, Tomoo Hirota, Yoshinori Oomura, Akira Uotani</i>
14:10-14:30	A-107 Deformation Behavior Analysis of PET Sheet in a Rolling-drawing Hybrid Method Part2 -Study of Processing Condition- <i>(Sekisui Chemical Co.,Ltd, JP) *Shigeru Ogasawara, Hisashi Eguchi, (Sekisui Engineering Co.,Ltd, JP) Takamasa Yagi, (Kanazawa Univ., JP) Hironari Sudeji, Toshiro Yamada</i>	CANCELED

14:30-14:50	A-108	Prediction of Film Stretching Behavior in Tenter for Transverse Stretching in Consideration of Heated Air Flow <i>(The Japan Steel Works, JP) *Masayoshi Tokihisa, Yoshiyuki Kushizaki, Hideki Tomiyama, (Kanazawa Univ., JP) Yousuke Yamamoto, Toshiro Yamada</i>	B-108	Construction of Injection Molding CAE Analysis Service Process for Quality Improvement of Small & Medium Sized Injection Mold Company <i>(Korea Inst. of Industrial Tech., KR) *Seok-woo Lee, Dong-yoon Lee, Hon-zong Choi, Young-jae Choi</i>
14:50-15:00	Break Time			
15:00-15:20	Fiber Spinning and Film 2		Novel Material & Processing, and Process Optimization 2	
	Chair: <i>T. Kikutani (Tokyo Inst. of Tech., JP)</i>		Chair: <i>K. Satoh (The Univ. of Electro-Communications, JP)</i>	
	A-109	Influence of Viscoelasticity Behavior on Liquid Film Surface Appearance in Multilayered Polymer Solution <i>(Fujifilm Co.,Ltd, JP) *Naoki Nakamura, Hidekazu Yamazaki, (Kyoto Inst. of Tech., JP) Atsushi Yokoyama</i>	B-109	Information Management System of Pre-Examination Data and Post-Verification Data in Developing Injection Molds <i>(Korea Inst. of Industrial Tech., KR) *Dong-yoon Lee, Ki-hyeong Song, Hyun-min Kim, Seok-woo Lee, Hon-zong Choi</i>
15:20-15:40	A-110	In Plane Molecular Orientation Analysis for Film Stretching Process in Tenter <i>(Zeon Corp., JP) *Takashi Sato, Asada Takeshi, Kohei Arakawa, (Kanazawa Univ., JP) Toshiro Yamada</i>	B-110	Semantic Web Based Knowledge Management System for Technical Information of Injection Mold <i>(Korea Inst. of Industrial Tech., KR) *Sung-ho Nam, Ki-hyeong Song, Dong-yoon Lee, Jin-Seok Kim</i>
15:40-16:00	A-111	Effect of Compatibilization on Properties of Polypropylene-Polyethylene Terephthalate Blend Fiber <i>(Kyoto Inst. of Tech., JP) *Supaphorn Thumsorn, (Pathumwan Inst. of Tech., TH) Jessada Wong On, (Rajamangala Univ. of Tech. Thanyaburi, TH) Pongampai Pengpis, Nhungrutai Chaungnisai, Sirinapa Thamkarndee, Pamornitip Kesornbua, (Kyoto Inst. of Tech., JP) Yew Wei Leong, Hiroyuki Hamada</i>	B-111	New Blow-molded Plastic Fuel Tank for Bio-diesel <i>(LyondellBasell Industries Co., JP) *Noboru Yamamoto, Thomas Lindner, Hendrik Schoenfelder</i>
16:00-16:20	Super Critical Fluid and Foaming		Recycle and Environmental Techniques	
	Chair: <i>H. Murakami (Nagasaki Univ., JP)</i>		Chair: <i>T. Isaki (Mitsui Chemicals, Inc., JP)</i>	
	A-112	Study of a Chemical Peptizer Impregnation into Natural Rubber by Using Supercritical Carbon Dioxide <i>(King Mongkut's Inst. of Tech. Ladkrabang, TH) *Surat Areerat, (Kyoto Univ., JP) Kentaro Taki, Masahiro Ohshima</i>	B-112	Experimental Analysis of the In-mold Phenomena in Pulp Injection Molding (PIM) <i>(The Univ. of Tokyo, JP) *Yasuhiro Yamawaki, Hidetoshi Yokoi, Norimichi Masuda</i>
16:20-16:40	A-113	Foam Processing of PLA PS/PMMA Ternary Blend Using Supercritical CO ₂ <i>(Kyoto Univ., JP) *Abacha Nabil, Kentaro Taki, Masahiro Ohshima</i>	B-113	Morphological and Mechanical Studies of Surface Treated CaCO ₃ Reinforced LDPE <i>(Kyoto Inst. of Tech., JP) *Supaphorn Thumsorn, (King Mongkut's Univ. of Tech. Thonburi, TH) Nandh Thavarungkul, (Pathumwan Inst. of Tech., TH) Jessada Wong On, (Kyoto Inst. of Tech., JP) Yew Wei Leong, Hiroyuki Hamada</i>
16:40-16:55	Break Time			
16:55-17:45	Poster Presentation (Room C (Meeting Room I3-304))			
17:45-18:00	Break Time			
18:00-20:00	Banquet			

(As of August 11, 2008)

ORAL Presentation Program of AWPP2008

August 28 (Thu.), 2008

	Room A (Lecture Room I-123)	Room B (Lecture Room I-124)
08:30-09:00	Registration	
09:00-10:00	[Plenary Lecture: Room C (Meeting Room I3-304)] Effect of PC-Oligomer on Structure and Properties of PC/ABS Injection Moldings <i>Dr. Toshikazu Umemura (Ryoko Chemical Co., Ltd., JP)</i>	
10:00-10:15	Break Time	
10:15-10:45	Injection Molding 1	Alloys, Blends and Composites 1
	Chair: <i>D. G. Ahn (Chosun Univ., KR)</i>	Chair: <i>K. Kuboyama (Tokyo Inst. of Tech., JP)</i>
	A-201 [KEYNOTE] Water Assisted Injection Molding of Thermoplastic Elastomers <i>(Chang Gung Univ., TW) *Shih-Jung Liu, Che-Chi Liu, Kun-Yeh Lin</i>	B-201 [KEYNOTE] Inorganic Particles Reinforced Nitrile-containing Polymer Composites by Coordination Interaction in Non-solvent Phase <i>(East China Univ. of Sci. and Tech., CN) *Chifei Wu, Haiyan Mou, Fei Shen</i>
10:45-11:05	A-202 Development of Ultra Thin-wall Overmolding Technology Using Ultra-high-speed Co-injection Molding <i>(The Univ. of Tokyo, JP) Hidetoshi Yokoi, *Yoshinori Kanetoh, Guoying Su</i>	B-202 Melt Mixed Styrene-ethylene-butylene-styrene Block Copolymer/Clay Nanocomposites <i>(National I-Lan Univ., TW) *S.-M. Lai, (Chinese Culture Univ., TW) C.-M. Chen</i>
11:05-11:25	A-203 The Integration Technique for Thermoforming and Injection Molding Processes on In-mold Decoration Investigation <i>(Dragonjet Co., Ltd., TW) Chao-Chang Tang, Jian-Hong Lin, Kin-Fu Lu, (CoreTech System Co., Ltd., TW) *Meng-Chih Chen, Chao-Tsai Huang, Chau-Kai Yu</i>	B-203 Grafting of Thermo-sensitive Polymer onto Carbon Microcoils and Its Application to Smart Sensors <i>(Niigata Univ., JP) *Takeshi Yamauchi, Shigenori Sato, Norio Tsubokawa, (CMC Tech. Development Co. Ltd., JP) Kenji Kawabe, Yukio Hishikawa, (Gifu Univ., JP) Seiji Motojima</i>
11:25-11:45	A-204 Simulation and Experimental Verification Mold Temperature Control of Pulsed Cooling <i>(CoreTech System Co., Ltd., TW) *Yan-Chen Chiu, Wen-Hsien Yang, (Chung Yuan Christian Univ., TW) Shia-Chung Chen, Shih-Hsien Tarnq</i>	B-204 The Role of Polyamide for Interphase Modification in Glass Fiber Filled Polypropylene Injection Moldings <i>(Shonan Inst. of Tech., JP) *Tohru Morii, (Kyoto Inst. of Tech., JP) Hiroyuki Hamada</i>
11:45-12:05	A-205 CAE Applications for Injection Molding of Optical Parts <i>(Seoul National Univ. of Tech., KR) *Keun Park, Hyeju Eom, Wonjong Joo</i>	B-205 Model of Cure Process Defect due to Micro-buckling for CFRP <i>(Tokyo Inst. of Tech., JP) *Takahiro Kiuchi, Akira Todoroki, Ryouzuke Matsuzaki</i>
12:05-13:00	Lunch Break	
13:00-13:30	Structure and Properties, and Their Evaluation	Alloys, Blends and Composites 2
	Chair: <i>H. Nishimura (Osaka Gas Co., Ltd., JP)</i>	Chair: <i>T. Yamauchi (Niigata Univ., JP)</i>
	A-206 [KEYNOTE] Draw Behaviors of PP and Beta-nucleated PP Extruded Sheets during Biaxial Stretching: Processing-Property Aspects <i>(National Metal and Materials Technology Center, TH) *W. Chinsirikul, N. Kerddonfag, C. Winotapun, P. Kumsang, S. Kitchaicharoenpron, N. Srinavakul</i>	B-206 [KEYNOTE] Mechanical, Water Absorption and Degradation Properties of Kenaf Fiber Filled Poly(lactic acid) and Poly(butylene succinate) Composites <i>(Univ. Sains Malaysia, MY) *Z. A. Mohd Ishak, R. Mat Taib, (Kyoto Inst. of Tech., JP) Y. W. Leong, H. Hamada</i>
13:30-13:50	A-207 The Study of Surface Properties in Injection Moldings <i>(Toyobo Co., Ltd., JP) *Katsuhiko Kodama, Kensuke Fujiwara, Akio Tange, Katsuhisa Yamashita, Chisato Nonomura, (Kyoto Inst. of Tech., JP) Atsushi Yokoyama</i>	B-207 Stress Relaxation under Large Step Shear Strains for Polymer Blends: Importance of Interface Velocity <i>(Japan Advanced Inst. of Sci. and Tech., JP) *Kenzo Okamoto, (Kyoto Inst. of Tech., JP) Masaaki Takahashi, (Japan Advanced Inst. of Sci. and Tech., JP) Masayuki Yamaguchi</i>

13:50-14:10	A-208	Scratch Behavior of PP Injection Moldings (Kyoto Inst. of Tech., JP) *Naoya Aoki, (Japan Polypropylene Corp., JP) Mikihiro Fujiwara, (Kyoto Inst. of Tech., JP) Masaya Kotaki	B-208	Toughness of Poly(lactic acid) with Functional Polyolefin (East China Univ. of Sci. and Tech., CN) Zhizhong Su, *Chifei Wu, Qiuying Li, Haiyan Xu
14:10-14:30	A-209	Multipoint Cure Monitoring of CFRP Laminates Using a Flexible Matrix Sensor (Tokyo Inst. of Tech., JP) *Seiji Kobayashi, Ryosuke Matsuzaki, Akira Todoroki		CANCELED
14:30-14:50	A-210	Transparent Sheet of Crystalline Poly(L-lactic acid) by Press-drawing (Tokyo Inst. of Tech., JP) *Keiichi Kuboyama, Toshiaki Ougizawa	B-210	Improvement of B5-Biodiesel Oil Resistance of Natural Rubber/Fluoro Elastomer Blends by Adding Epoxidized Natural Rubber (King Mongkut's Univ. of Tech. Thonburi, TH) *Manisara Phiriyawirut, Thaladchanan Limwongwatthananan, Sarawut Kaemram, Sirithada Wiengkaew
14:50-15:10	A-211	Mechanical Properties of Cured Epoxy Resins Containing Two Monomers with Different Molecular Weights (Tokyo Inst. of Tech., JP) *Andi Haris, Tadaharu Adachi, (Saitama Univ., JP) Wakako Araki	B-211	Influence of Beta-chitin and Natural Rubber Latex on Water Absorption of Biodegradable Starch-based Foam (King Mongkut's Univ. of Tech. Thonburi, TH) Porntip Tooljinda, *Manisara Phiriyawirut
15:10-15:20	Break Time			
15:20-15:40	Injection Molding 2		Novel Material & Processing, and Process Optimization 3	
	Chair: M. Kotaki (Kyoto Inst. of Tech., JP)		Chair: T. Yasuhara (Tokyo Inst. of Tech., JP)	
	A-212	Effect of Knitted and Woven Textile Insert Composites on the Mechanical Performance of Poly(lactic acid) Textile Insert Moldings (Kyoto Inst. of Tech., JP) *Yew Wei Leong, Hiroyuki Hamada	B-212	Newly Developed Multilayer System Using Adhesive-Fluoropolymer (Asahi Glass Co., Ltd., JP) *Eiichi Nishi
15:40-16:00	A-213	An Application of Computer Aided Design/Manufacturing/Engineering on the Injection Mold Making for Engine Mounting (Metal-inserted) Rubber Parts (Kasetsart Univ., TH) *Supasit Rodkwan, Wacharapong Chookaew	B-213	Plasma Separation and Decanting on a Microfluidic Disc (Feng Chia Univ., TW) *Chih-Hsin Shih, Wei-Ling Chiang, Chin-An Lai, Chia-Hui Lin
16:00-16:20	A-214	Experimental and Numerical Analyses of Residual Stresses and Shrinkage for Thermoviscoelastic Behavior of Film Insert Molded Parts (Seoul National Univ., KR) *Sung Ho Kim, Seong Yun Kim, Seung Hwan Lee, Jae Ryoun Youn	B-214	Synthesis and Physical Properties of Rotaxane Cross-linked Polyurethanes (Nagasaki Univ., JP) *Hiroto Murakami, Ryosuke Kusano, Shinji Ohira, Ken Kojio, Mutsuhisa Furukawa, Takamasa Sagara
16:20-16:40	A-215	Validation of Numerical Models for Predicting Gas Penetration Characteristics at Different Gas Injection Pressure in Gas-assisted Injection Molding Process (Chung Yuan Christian Univ., TW) *Shiu-Wu Chau	B-215	Micro Molding System for Thermoplastic Materials using Strong Ultrasonic Wave (Tokyo Inst. of Tech., JP) *Takushi Saito, Tatsuya Kawaguchi, Isao Satoh
16:40-17:00	Closing Ceremony (Room A (Lecture Room I-123))			

(As of August 11, 2008)