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9:30 AM 12:00 AM, July 11 (Thursday) 2002 Room No. 6

Polymer Science and Engineering Symposium No. 1

Session Th - A6 : Advances in Polymer Processing and Application

Chair : Dr. Jaehong Choi (Senior Manager, Avaya, U. S. A.)

Dr. Shi-Ho Lee (Researcher, LG Chemical Ltd., Korea)

Time	Name	Affiliation	Title
Th - A6 - 1, 09:30 10:00 am	Moon W. Suh	North Carolina State University, U.S.A.	What will you wear tomorrow? : Information age apparel and new technologies - Keynote presentation for polymer science and engineering
Th - A6 - 2, 10:00 10:20 am	Myung - Ho Kim	LG Chemical Ltd., Korea, Costas G. Gogos, Polymer Processing Institute, U.S.A.	Dissipative mix melting phenomena in polymer processing equipment
Th - A6 - 3, 10:20 10:40 am	Steve(Sunghoon)Kim, Kun Sup Hyun	Polymer Processing Institute, U.S.A.	High - performance textile for emergency egress parachute systems
Th - A6 - 4, 10:40 11:00 am	Yeong - Eun Yoo, Sihwan Park, Shi - Ho Lee	LG Chemical Ltd., Korea	The characteristics of the weldline and its strength in injection molded part from a mold with high temperature
Th - A6 - 5, 11:00 11:20 am	Ojin Kwon, David A. Zumbrunnen	Department of Mechanical Eng., Clemson University, U.S.A.	Novel blend morphology by chaotic mixing and its application as a barrier material
Th - A6 - 6, 11:20 11:40 am	Shi - Ho Lee, Myung - Ho Kim, Young - Tak Oh	LG Chemical Ltd., Korea	A novel method to measure the melt viscosity: The screw rheometer
Th - A6 - 7, 11:40 12:00 am	Gun - Ho Kwak, Y. Tominaga, S. Asai, M. Sumita	Tokyo Institute of Technology, Japan	The control of nanostructure for high ion - conductive polyether electrolytes by supercritical fluid technology

* * * Lunch * * *

1:30 3:30 PM, July 11 (Thursday) 2002 Room No. 6

Polymer Science and Engineering Symposium, No. 2

Session Th - B6 : Plastic Products Decorating Technology

Chair : Dr. Chung P. Park (Manager, Dow Chemical Co., U. S. A.)

Dr. Joon B. Park (Visteon Corp., U. S. A.)

Time	Name	Affiliation	Title
Th - B6 - 1, 1:30 1:50 pm	Hyun Seog Kim, Manshi Sui, C. A. Cody, W. B. Neuberg	Sahmrock Technologies Inc., U. S. A.	New type of PTFE additive - Submicron PTFE
Th - B6 - 2, 1:50 2:10 pm	Dong Woo Yu, P. Kurunczi, D. Firmnberg, Jae Yoon Jung	Plasmion Corp., U. S. A	Surface modification of polyolefins with capillary plasma electrode discharge (CPED) plasmas in atmospheric pressure using the stonedust in cake state

Th - B6 - 3, 2:10	2:30 pm	Joachim Wagenblast, Thomas Babl James Y. J. Chung	Bayer Polymers Corp., Hong Kong Bayer Corp., U. S. A.	Developments of structural parts following hybrid concepts by combining plastics and sheet metals
Th - B6 - 4, 2:30	2:50 pm	Jaehong Choi	Avaya, U. S. A.	Laser marking on polymeric substrates and hardware choices
Th - B6 - 5, 2:50	3:10 pm	Joon B. Park	Visteon Corp., U. S. A.	Design of experiment (DOE) procedures to evaluate ultrasonic weldability of materials
Th - B6 - 6, 3:10	3:30 pm	Chul Bum Park	University of Toronto, Canada	Fundamentals of microcellular plastics processing
* * * Coffee Break * * *				
4:00 ~ 6:00 PM, July 11 (Thursday) 2002 Room No. 6 Polymer Science and Engineering Symposium, No. 3 Session Th - C6 : New Resins and Product Development Chair : Dr. Hyunsoo Chung (RPI, U. S. A.) Dr. Chul. B. Park (University of Toronto, Canada)				
Time	Name	Affiliation	Title	
Th - C6 - 1, 4:00	4:20 pm	H. S. Jeon	New Mexico Institute of Mining and Technology, U. S. A.	Interfacial structures and properties in polystyrene/epoxy - nanoparticles bilayer films
Th - C6 - 2, 4:20	4:40 pm	Chung P. Park	Dow Chemical Corp., U. S. A.	New developments in acoustical materials and solutions
Th - C6 - 3, 4:40	5:00 pm	James Yoon - Jin Chung, M. Erkelenz, M. Moeth - rath, W. G. Paul	Bayer AG/Bayer Corp., U. S. A.	Comparison of bisphenol A and 4,4' - dihydroxy - phenyl copolycarbonate with bisphenol A poly - carbonate
Th - C6 - 4, 5:00	5:20 pm	Chang Yeol Ryu, Hyunsoo Chung	Chemistry Department, RPI, U. S. A.	Non - monotonic change of order - disorder transition temperatures with molecular weight for asymmetric ABA triblock copolymers
Th - C6 - 5, 5:20	5:40 pm	J - Y Choi, T. Cosgrove, A. R. Skinner, M. Patel	University of Bristol, U. K. AWE, Aldermaston, U. K.	Spectroscopic study of cross - liked poly(dimethylsilsloxane)
Th - C6 - 6, 5:40	6:00 pm	Irina Nam, Jung Ki Park, Shi - Joon Sung, Seong Nam Lee, Grigory Mun	Department of Molecular and Chemical Engineering, KAIST, Korea	Copolymers of N - vinyl carbazole and 2 - hydro - xyethyl methacrylate: synthesis, characterization and thermosensitive behavior
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