

January 21, Thursday

08:00~09:00		Registration and Breakfast
09:00~09:10		Opening Ceremony
Speaker	Title of Presentation	
09:10	Chung, CK	Professor Ahn, KH Numerical Study on Molecular Behavior near Interface between Shear Bands with Diffusive Rolie-Poly Model
09:30	Bae, JE	Stress Analysis of LAOS by use of K-BKZ model: Comparison of Numerical and Analytical Solutions
09:50	Lu, XS	Poly(styrene-b-ethylene-co-butylene-b-styrene)(SEBS) Based Thermoplastic Magnetorheological Elastomer Composites
10:10	Liu, HL	Professor Visit, VS Numerical Simulation on Viscoelastic Flows in Uni-Directional Fibrous Porous Media
10:30	Lee, SM	Determination of Rabinowitch Correction factor for the Novel Designed Screw Rheometer
10:50	Hu, H	Viscoelasticity of Pullulan in Ionic Liquid BmimCl
11:10	Kikuchi, K	Non-linear behavior of Sol-Gel Transition of Poly(vinyl chloride)/bis(2-ethylhexyl) phthalate
11:30		Coffee Break
11:40	Adisak, T	Professor Um, IC Structure and Dynamics of Bidisperse Polyethylene Melts confined in Nanoslit
12:00	Tominaga, T	Elastic Properties of Mixtures of ABA Triblock Copolymer and B Homopolymers with Different Molecular Weights
12:20	Hong, IG	Dispersion of Multi-Walled Carbon Nanotubes (MWCNTs) in Polypropylene by Masterbatch Dilution Method
12:40	Furuichi, K	Stretch Relaxation of Entangled Polymers in Primitive Chain Network Simulations
13:00		Lunch (Cafeteria in PNU)
14:20	Ahn, HJ	Professor Takahashi, Y Nonlinear Viscoelastic Behaviors of Different Types of Mayonnaises in Several Shear Flow Fields
14:40	Rakkapao, N	Ionic Conductivity of Mono- and Bi-valence Cation doped Chitosan/Poly(ethylene oxide) Complexes
15:00	Ando, K	Formation Mechanism of Microdomain Structure Induced by a Differentiating Non-solvent
15:20	Han, DK	Professor Lee, SJ Quantitative analysis of particle sedimentation in 4:1 contraction flow
15:40	Tanissara, P	The Effect of Stereochemical Sequence on Dynamic Properties of Poly(Ethylene-Propylene) Copolymer Melts
16:00	Lim, HT	Characterization of Clay Dispersion in the Polymer

Nanocomposites by Rheological and Dielectric Properties

16:20	Coffee Break	
16:30	Cho, HJ	The Wet-and Electro-Spinnability of Regenerated Silk Fibroin with Various Molecular Weights and Storage Time
16:50	Moon, JY	Formation of Particle Microstructure in PVA/Borax Solution Under Shear Flow
17:10	Nobukawa, S	Effect of Chemical Structure on Cooperative Dynamics in Polymer/4-pentyl-4'-cyanobiphenyl Blends
17:30	Fujita, M	Relationship between Rheological Behavior and Hydrogen Bonding Structures in Molten Poly(vinyl acetate-co-vinyl alcohol)s
17:50	Yu, ML	Analysis of Adhesion Strength in Ink-Transfer Process
18:10	Iwawaki, H	Dynamic birefringence and viscoelasticity of Polymacromonomers
18:30	Park, EK	Rheological Characterization of Base Materials in Pharmaceutical Ointments and Thermoreversible-Mucoadhesive Gel Formulations
18:50	Katsuta, S	Preparation of Hydroxypropylcellulose/polysiloxane hybrid under Gelation/Polymerization Competing Condition
19:10	Kim, JH	Response of Newtonian and Non-Newtonian fluids under combined flow of oscillatory shear and oscillatory squeeze
19:30	Welcome Banquet (Traditional Korean Dinner)	

January 22, Friday

08:00~09:00	Breakfast	
	Speaker	Title of Presentation
09:00	Park, GW	Determination of Relaxation Time Spectra by Use of Nonlinear Iterative Method
09:20	Komuro, R	The Temperature Dependence of Wall Slip and Melt-Fracture of Polystyrene in Capillary Flow
09:40	Chen, Q	Dynamics of Disordered Diblock Copolymer: Poly(isoprene-b-p-ter-butylstyrene)
10:00	Yagi SI	Microstructure and Physical Properties of Acrylic Rubbers Filled with Montmorillonite in the Emulsion Polymerization Process

10:20	Thanaman, R	Linear Viscoelastic Properties of Nanosilica Filled Polyethylene Melts	
10:40	Lee, JS	Time-dependent Rheological Behavior of concentrated Xanthane Gum Solution	
11:00	Coffee Break		
			Professor Hwang WR
11:10	Han, WJ	In-situ visualization of complex flows of concentrated suspensions	
11:30	Uno, A	Estimation of Polystyrene Segmental Size Detected by Dielectric Measurement	
11:50	Hiramoto, K	Component Dynamics of Polyisoprene and Poly(4-ter-butylstyrene) Blends: A Study of Local Heterogeneity	
12:10	Lunch (Cafeteria in PNU)		
			Professor Taniguchi T
13:40	Lee, YK	Structure formation during the particle sedimentation studied by Brownian dynamics simulation	
14:00	Jung, YD	Drying Regime Maps for Particulate Coatings	
14:20	Khantarat, K	Rheological Properties of Reduced Fat Mayonnaise by Using Modified Starch, E1442 as Fat Substitute	
			Professor Kim, MH
14:40	Ko, JS	The Effect of Residual Sericin on the Electrospinnability of Regenerated Silk Polymers	
15:00	Katakura, S	Dynamics of Poly(p-tert-butylstyrene)-Polyisoprene-Poly(p-tert-butylstyrene) Triblock Copolymer in Disordered State	
15:20	Saito, R	DNA Diffusional Motion in Suspensions of Polystyrene Particles	
15:40	Coffee Break		
			Professor Inoue, T
15:50	Lee, SH	Effect of Shear on Electrically Activated Poly Lactic Acid Nanocomposites	
16:10	Horio, K	Rheo-dielectric and Velocity Field Analysis of Entangled Polyisoprene Solution under Homogeneous Shear Flow	
16:30	Lee, SH	Sensitivity of Slot Coating Flow Using Frequency Response Method	
			Dr. Chung, CK
16:50	Suzuki, S	Analysis of the association behavior of HEUR in aqueous solution under shear flow	
17:10	Lim, SH	Instabilities of Oil Paint in Blade Coating	
18:00~19:00	Poster Presentation		
19:30~22:00	Korean BBQ Party with Soju		

January 23 Saturday

08:30~09:30 Breakfast

10:00~18:00 **Busan Exploration or Individual Rest**

19:30~21:30 **Farewell Party (Buffet Restaurant “The Party”)**

January 22, 2010 (18:00 ~ 19:00)

Poster Presentations:

01. Yang, Seungyoung “Self-assembly of Droplets in Microfluidic Diverging Channels ; the effect of geometry and flow condition”
02. Kawasaki, Yohji “Blending Law for Plateau Modulus of PI/PtBS Miscible Blend”
03. Kim, Moon-Sung “The method of the determination and engineering application for the Bulk density”
04. Sumida, Koji “Phase Behavior of Miscible Polyisoprene/Poly(4-trimethylsilylstyrene) Blends”
05. Shim Woon-Bo “Study on Strain-induced Crystallization and Relaxation Behavior of Natural Rubber and Synthetic Rubber(trans-BR) Blends”
06. Hwang, Ji Won “Transport phenomena and performance of Solid Oxide Fuel Cell(SOFC) Using 1-D/3-D Simulation”
07. Takahashi, Kohei “The Effect of Octamethylenedicarboxylic Dibenzoylhydrazide on the Crystallization Behavior of Poly(L-lactic acid)”
08. Kim, Hyung Min “Crystallization Kinetics and Stability in Film Blowing Process”
09. Cha, Min-Ji “Rheometrical Investigation of Pharmaceutical Ointments”
10. Morishima, Ken “Microrheology using optical tweezers”
11. Tanaka, Arisa “Birefringence and Viscoelasticity of PS/PPE Blends”
12. Kwon, Myung-Jae “Stress Growth Behavior of Toothpastes on Start-Up of Steady Shear Flow”
13. Zhang, Baoqing “Preparation and Preliminary Rheological Study of Reduced Graphene Oxide/Ionic Liquid Dispersions”
14. Noh, Won-Jin “Rheological Behavior and Mechanical Properties of Polymer/Organoclay Nanocomposite Foams Prepared By High Internal Phase Emulsions”
15. Nakamura, Masashi “Rheological properties of sodium alginate-gelatin

mixture gels”

16. Woo, Dong Kyun “Rheological characterization of Polystyrene/Multi-walled Carbon Nanotube Composites prepared by Latex-Based Technology”
17. Ichikawa, Hiroshi “Viscoelastic Behavior of Silk Fibroins in ionic Liquid”
18. Murashima Takahiro “Multiscale Simulation of Fluid dynamics for Polymeric Liquids”
19. Lee, Jae-Chang “Physical Properties of the Stereoblock Poly(lactic acid)s(sb-PLAs) Melt Spun Fibers”
20. Kobayashi Hideki “Tumbling Motion of a Single Chain in Shear Flow : a Crossover from Brownian to non-Brownian Behavior”