

**POSTER SESSION****January 22 (18:00 ~ 19:00)**

- 01 Yang, S Self-assembly of Droplets in Microfluidic Diverging Channels ; The Effect of Geometry and Flow Condition
- 02 Kawasaki, Y Blending Law for Plateau Modulus of PI/PtBS Miscible Blend
- 03 Kim, MS The Method of The Determination and Engineering Application for the Bulk Density
- 04 Sumida, K Phase Behavior of Miscible Polyisoprene/ Poly(4-trimethylsilylstyrene) Blends
- 05 Shim, WB Study on Strain-induced Crystallization and Relaxation Behavior of Natural Rubber and Synthetic Rubber(trans-BR) Blends
- 06 Hwang, JW Transport Phenomena and Performance of Solid Oxide Fuel Cell(SOFC) Using 1-D/3-D Simulation
- 07 Takahashi, K The Effect of Octamethylenedicarboxylic Dibenzoylhydrazide on the Crystallization Behavior of Poly(L-lactic acid)
- 08 Kim, HM Crystallization Kinetics and Stability in Film Blowing Process
- 09 Cha, MJ Rheometrical Investigation of Pharmaceutical Ointments
- 10 Morishima, K Microrheology Using Optical Tweezers
- 11 Tanaka, A Birefringence and Viscoelasticity of PS/PPE Blends
- 12 Kwon, MJ Stress Growth Behavior of Toothpastes on Start-Up of Steady Shear Flow
- 13 Zhang, B Preparation and Preliminary Rheological Study of Reduced Graphene Oxide/Ionic Liquid Dispersions
- 14 Noh, WJ Rheological Behavior and Mechanical Properties of Polymer/Organoclay Nanocomposite Foams Prepared By High Internal Phase Emulsions
- 15 Nakamura, M Rheological Properties of Sodium Alginate-gelatin Mixture Gels
- 16 Woo, DK Rheological Characterization of Polystyrene/ Multi-walled Carbon Nanotube Composites Prepared by Latex-Based Technology”
- 17 Ichikawa, H Viscoelastic Behavior of Silk Fibroins in ionic Liquid
- 18 Murashima, T Multiscale Simulation of Gluid dynamics for Polymeric Liquids
- 19 Lee, JC Physical Properties of the Stereoblock Poly(lactic acid)s(sb-PLAs) Melt Spun Fibers
- 20 Kobayashi, H Tumbling Motion of a Single Chain in Shear Flow : a Crossover from Brownian to non-Brownian Behavior

**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”)**

## *The 5th International Workshop for East Asian Young Rheologists*

**January 21 ~ 23, 2010**  
Pusan National University, Korea



# January 21, Thursday

08:00	<b>Registration and Breakfast</b>	
09:00	<b>Opening Ceremony</b>	
	<b>SESSION 1</b>	<b>Prof. Ahn, KH</b>
09:10	Chung, CK	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
	<b>SESSION 2</b>	<b>Prof. Visit, VS</b>
10:10	Liu, HL	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	<b>Coffee Break</b>	
	<b>SESSION 3</b>	<b>Prof. Um, IC</b>
11:40	Adisak, T	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	<b>Lunch (Cafeteria in PNU)</b>	
	<b>SESSION 4</b>	<b>Prof. Takahashi, Y</b>
14:20	Ahn, HJ	Nonlinear Viscoelastic Behaviors of Different Types of Mayonnaises in Several Shear Flow Fields
14:40	Rakkapao, N	Ionic Conductivity of Mono- and Bivalence Cation Doped Chitosan/Poly(ethylene oxide) Complexes
15:00	Ando, K	Formation Mechanism of Microdomain Structure Induced by a Differentiating Non-solvent
	<b>SESSION 5</b>	<b>Prof. Lee, SJ</b>
15:20	Han, DK	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	<b>Coffee Break</b>	
	<b>SESSION 6</b>	<b>Prof. Kajikawa, Y</b>
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'-cyanophenyl Blends
	<b>SESSION 7</b>	<b>Prof. Kwon, YD</b>
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 Polymacro-monomers
	<b>SESSION 8</b>	<b>Prof. Sakurai, S</b>
18:30	Park, EK	Rheological Characterization of Base Materials in Pharmaceutical Ointments and Thermoreversible-Muco-adhesive Gel Formulations
18:50	Katsuta, S	Preparation of Hydroxypropylcellulose/poly siloxane 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	<b>Welcome Banquet (Traditional Korean Dinner)</b>	

# January 22, Friday

08:00	<b>Breakfast</b>	
	<b>SESSION 9</b>	<b>Prof. Kim, JM</b>
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)
	<b>SESSION 2</b>	<b>Prof. Masubuchi, Y</b>
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
	<b>SESSION 3</b>	<b>Prof. Hwang, WR</b>
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	<b>Lunch (Cafeteria in PNU)</b>	
	<b>SESSION 4</b>	<b>Prof. Taniguchi, T</b>
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
	<b>SESSION 5</b>	<b>Prof. Kim, MH</b>
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	<b>Coffee Break</b>	
	<b>SESSION 6</b>	<b>Prof. Inoue, T</b>
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
	<b>SESSION 7</b>	<b>Dr. Chung, CK</b>
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 - 19:30	<b>Poster Presentation</b>	
19:30 - 22:00	<b>Korean BBQ Party with Soju</b>	