

8th Pacific Rim Conference on Rheology

Wednesday, 17 May 2023

Self-assembly and Flow-induced Systems/Gels - Room 203 (14:00 - 15:40)

-Conveners: Quan Chen

time	[id] title	presenter
14:00	[48] Simulation of Competition between Reaction and Relaxation in Gelation Kinetics	UNEYAMA, Takashi
14:20	[33] Quantifying the Enhancement Effect of Strain Induced Crystallization on Tearing Energy by Edge Crack Test Method	TSUNODA, Katsuhiko
14:40	[36] REVEALING THE CORRELATION BETWEEN STRAIN-INDUCED CRYSTALLIZATION AND LOCAL STRAIN FIELD AROUND THE CRACK-TIP OF NATURAL RUBBER	Dr MAI, Thanh-Tam
15:00	[45] Cluster formations of terminal groups of polyisoprenes in natural rubbers: Molecular dynamics simulation study	Dr TAKASHI, Taniguchi
15:20	[39] DIVERCITY IN STRAIN-INDUCED CRYSTALLIZATION OF NATURAL RUBBER BY BIAXIAL ELONGATION	SAKURAI, Shinichi

Self-assembly and Flow-induced Systems/Gels - Room 203 (16:10 - 17:50)

-Conveners: Kenji Urayama

time	[id] title	presenter
16:10	[81] KEYNOTE: Relationships between viscoelastic relaxation and network connectivity in transient networks with well-controlled network structures	KATASHIMA, Takuya
16:50	[58] Phantom chain simulations for tetra and tri-branched networks	Prof. MASUBUCHI, Yuichi
17:10	[63] Negative energy elasticity in polymer gel elasticity	SAKAI, Takamasa
17:30	[87] Universal Equation of State of Osmotic Pressure for Polymer Gels	Mr YASUDA, Takashi

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Self-assembly and Flow-induced Systems/Gels - Room 212 (10:30 - 12:10)

-Conveners: Takamasa Sakai

time	[id] title	presenter
10:30	[5] KEYNOTE: Nonlinear Rheology of Concentrated Poly(vinyl alcohol)/Borax Aqueous Solution	CHEN, Quan
11:10	[29] Hystereses In One-dimensional Compression Of A Poroelastic Hydrogel	XU, Zelai
11:30	[25] NONLINEAR RHEOLOGY OF ENTANGLED WORMLIKE MICELLES: A SLIP-SPRING SIMULATION STUDY	Dr SATO, Takeshi
11:50	[37] COUPLING A IONIC SURFACTANT AND A DRUG SALT: EQUILIBRIUM CHARACTERISTIC PARAMETERS & STRAIN HARDENING IN START-UP FLOW	Prof. GRIZZUTI, Nino

Self-assembly and Flow-induced Systems/Gels - Room 203 (14:00 - 15:40)

-Conveners: Takuya Katashima

time	[id] title	presenter
14:00	[20] Effect of salt concentration and flow rate on clogging dynamics in the single micro-pore	KIM, Dae Yeon
14:20	[54] Star-polymer-DNA gels showing predictable stress relaxation behavior	LI, Xiang
14:40	[143] OBSERVATION OF FLOW BIREFRENGENCE IN DYNAMIC SQUEEZE FLOW	KATO, Manabu
15:00	[88] SAXS, SANS and Spectroscopy Study on High Tunability of a Block Copolymer by Strongly Selective Solvents	Prof. OKAMOTO, Shigeru
15:20	No talk scheduled	