### **Session Program**

15-19 May 2023



# 8th Pacific Rim Conference on Rheology

### Self-assembly and Flow-induced Systems/ Gels

University of British Columbia, Point Grey Campus, Mathematics & Geography Buildings 1984 Mathematics Rd / 1984 West Mall Vancouver, BC V6T 1Z2 CANADA

### Wednesday 17 May



 Speaker

 Takamasa Sakai

 17:30-17:50

 Universal Equation of State of Osmotic Pressure for Polymer Gels

 Speaker

 Mr Takashi Yasuda

## Thursday 18 May

):30	Self-assembly and Flow-induced Systems/Gels Session   Location: Geography Building, Room 212, 1984 West Mall Vancouver, BC V6T 1Z2   Convener: Takamasa Sakai
	10:30-11:10 KEYNOTE: Nonlinear Rheology of Concentrated Poly(vinyl alcohol)/Borax Aqueous Solution Speaker Quan Chen
	11:10-11:30 Hystereses In One-dimensional Compression Of A Poroelastic Hydrogel Speaker Zelai Xu
	11:30-11:50 NONLINEAR RHEOLOGY OF ENTANGLED WORMLIKE MICELLES: A SLIP-SPRING SIMULATION STUDY Speaker Dr Takeshi Sato
	11:50-12:10 COUPLING A IONIC SURFACTANT AND A DRUG SALT: EQUILIBRIUM CHARACTERISTIC PARAMETERS & STRAIN HARDENING IN START-UP FLOW
2:10	Prof. Nino Grizzuti
2:10 4:00	Speaker         Prof. Nino Grizzuti         Self-assembly and Flow-induced Systems/Gels         Session   Location: Mathematics Building, Room 203, 1984 Mathematics Rd Vancouver, BC V6T 1Z2           Convener: Takuya Katashima
2:10	Speaker         Prof. Nino Grizzuti         Self-assembly and Flow-induced Systems/Gels         Session   Location: Mathematics Building, Room 203, 1984 Mathematics Rd Vancouver, BC V6T 1Z2           Convener: Takuya Katashima         14:00-14:20         Effect of salt concentration and flow rate on clogging dynamics in the single micro-pore         Speaker         Dae Yeon Kim
2:10	Speaker         Prof. Nino Grizzuti         Self-assembly and Flow-induced Systems/Gels         Session   Location: Mathematics Building, Room 203, 1984 Mathematics Rd Vancouver, BC V6T 1Z2   Convener: Takuya Katashima         14:00-14:20         Effect of salt concentration and flow rate on clogging dynamics in the single micro-pore         Speaker         Dae Yeon Kim         14:20-14:40         Star-polymer-DNA gels showing predictable stress relaxation behavior         Speaker         Xiang Li
2:10	Speaker         Prof. Nino Grizzuti         Self-assembly and Flow-induced Systems/Gels         Session   Location: Mathematics Building, Room 203, 1984 Mathematics Rd Vancouver, BC V6T 1Z2           Convener: Takuya Katashima         14:00-14:20         Effect of salt concentration and flow rate on clogging dynamics in the single         micro-pore         Speaker         Dae Yeon Kim         14:20-14:40         Star-polymer-DNA gels showing predictable stress relaxation behavior         Speaker         Xiang Li         14:40-15:00       OBSERVATION OF FLOW BIREFRENGENCE IN DYNAMIC SQUEEZE FLOW         Speaker         Manabu Kato

#### 15:00-15:20

SAXS, SANS and Spectroscopy Study on High Tunability of a Block Copolymer by Strongly Selective Solvents

Speaker

Prof. Shigeru Okamoto

15:40

15:20-15:40 No talk scheduled