

Session Program

15-19 May 2023



8th Pacific Rim Conference on Rheology

Hiroshi Watanabe - Honorary Symposium

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

Wednesday 17 May

10:30

Hiroshi Watanabe - Honorary Symposium

Session | **Location:** Geography Building, Room 100, 1984 West Mall Vancouver, BC V6T 1Z2 | **Convener:** Yuichi Masubuchi

10:30-11:10

KEYNOTE: RESPONSE OF BLOCK COPOLYMER ELECTROLYTES TO IONIC CURRENT

Speaker

Nitash P. BALSARA

11:10-11:30

GLASS TRANSITION AND ENTANGLEMENT IN SEMIFLEXIBLE CONJUGATED POLYMER MELTS

Speaker

Ralph Colby

11:30-11:50

Nano Rheology of Glassy Materials using Dielectric Molecular Probe

Speaker

Tadashi Inoue

11:50-12:10

Profile of Hiroshi Watanabe

Speakers

Tadashi Inoue, Dr Yumi Matsumiya

12:10

14:00

Hiroshi Watanabe - Honorary Symposium

Session | **Location:** Mathematics Building, Room 104, 1984 Mathematics Rd Vancouver, BC V6T 1Z2 | **Convener:** Dr Yumi Matsumiya

14:00-14:20

VISCOELASTIC PROPERTIES OF BIDISPERSE LINEAR POLYMERS UNDER ELONGATIONAL FLOW

Speaker

Prof. van Ruymbeke Evelyne

14:20-14:40

Dual slip-link simulation study on stretch-orientation-induced reduction of friction in bi-disperse blends

Speaker

Takashi Taniguchi

14:40-15:00

Elongation viscosity of a poly(styrene-b-2-vinylpyridine) block copolymer forming spherical microphase-separated structure

Speaker

Yuya Doi

15:00–15:20

Primitive chain network simulations for non-linear rheology of monodisperse polystyrene melts with friction change and violation of the fluctuation-dissipation theorem.

Speaker

Prof. Yuichi Masubuchi

15:20–15:40

UNIVERSALITY OF POLYMER MELTS

Speaker

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15:40

16:10

Hiroshi Watanabe - Honorary Symposium

Session | **Location:** Mathematics Building, Room 104, 1984 Mathematics Rd Vancouver, BC V6T 1Z2 |

Convener: Tadashi Inoue

16:10–16:30

RHEO-DIELECTRIC BEHAVIOR OF UNENTANGLED POLY (BUTADIENE OXIDE) UNDER STEADY SHEAR

Speaker

Dr Yumi Matsumiya

16:30–16:50

EXPERIMENTAL STUDY ON PHASE SEPARATION DYNAMICS OF UNENTANGLED POLYMER BLEND WITH DYNAMIC ASYMMETRY

Speaker

Dr Takeshi Sato

16:50–17:10

Simulation study of unentangled polymers under fast flow

Speaker

Jun-ichi Takimoto

17:10–17:30

Molecular Dynamics Simulations for Viscosity Growth and Conformations of Unentangled Polymers under Shear Flow

Speaker

Takashi Uneyama

17:30–17:50

No talk scheduled.

17:50

Thursday 18 May

10:30

Hiroshi Watanabe - Honorary Symposium

Session | **Location:** Geography Building, Room 100, 1984 West Mall Vancouver, BC V6T 1Z2 | **Convener:** Youngdon Kwon

10:30-11:10

KEYNOTE: Rheology modification of polymeric networks via loop threading

Speaker

Dimitris Vlassopoulos

11:10-11:30

Time-Strain Separability and Inseparability in Multiaxial Stress Relaxation of Polymer Gels with Permanent and Transient Crosslinks

Speaker

Kenji Urayama

11:30-11:50

INTRIGUING MELTING BEHAVIOR OF THE NATURAL RUBBER CRYSTAL FORMED BY STRAIN-INDUCED CRYSTALLIZATION

Speaker

Shinichi Sakurai

11:50-12:10

Have you ever listened to the sound of the fluid?

Speaker

Prof. Kyung Hyun Ahn

12:10