

ASIA PACIFIC SOCIETY OF RHEOLOGY

WORKSHOP 2026 in OSAKA



Organized by the Asia-Pacific Society of Rheology and the Society of Rheology, Japan
Co-organized by the Graduate School of Engineering Science, Osaka University

Preface:

The Asia Pacific Society of Rheology is pleased to announce the International Workshop 2026, scheduled for June 5, 2026, in Osaka, Japan. This International Workshop brings together leading researchers, academics, and industry practitioners from across the Asia-Pacific region and beyond to share recent advances in rheological research and theory, present innovative applications of rheology in industrial processes, foster collaborative discussions on contemporary challenges in the field, and provide networking opportunities for early-career researchers and established scientists. The workshop encompasses a comprehensive range of topics within rheology, including, but not limited to, non-Newtonian fluid mechanics, viscoelasticity and viscoplasticity, polymer rheology and processing, complex fluids and soft matter, rheological measurements and instrumentation, and industrial applications and process optimization.

Venue:

Osaka University, Toyonaka Camps

<https://www.es.osaka-u.ac.jp/en/accessmap/index.html>

Venue for Prof. Frigaard's talk: Osaka University, Nanbu Hall

<https://maps.app.goo.gl/zNbdS5jHv7W2n9DY8>

Main venue: Osaka University, Engineering Science International Hall, Seminar Room

<https://maps.app.goo.gl/RUYJQkeFEv5Nkw6e8>

Date:

June 5th, 2026

Program (invited talks only) (updated on May 8, 2026)

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| 9:00 – 9:45 | Ian Frigaard (University of British Columbia, keynote, plenary)
Bubbles in yield stress fluids
(This talk is held in Nanbu-Hall) |
| 9:45 - 10:00 | Break (After the break, the talks will be in International Hall, Seminar Room) |
| 10:00 – 10:30 | Atsuko Namiki (Nagoya University)
Measuring the rheology of crystal-bearing magma |
| 10:30 – 11:00 | Kohei Ohie (Nagoya University)
Velocity-profiling-assisted rheometry for evaluating the rheology of complex fluids |

- 11:00 – 11:30 Hossein Rahmani (University of British Columbia)
On plane channel flow of a Saramito EVP fluid
- 11:30 – 12:15 Jun Dong Park (Sookmyung Women's University, Opal Medal award lecture)
Coupling LAOS and Artificial Intelligence:
From Soft Matter Insights to Practical Applications
- 12:15 – 13:30 Lunch Break
- 13:30 - 14:00 Kang Kim (Osaka University)
Molecular dynamics simulations for elucidating the Stokes-Einstein relation
in polymer melts under steady-state shear flow
- 14:00 – 14:30 Yuma Morimitsu (Kyushu University)
Visualization of segment-like motion in isolated polystyrene chains
confined at a solid interface
- 14:30 – 15:00 Atsushi Matsumoto (University of Fukui)
Rheology of polyelectrolyte solutions
- 15:00 – 15:15 Break
- 15:15 – 15:45 Charu Datt (Keio University)
Dynamics of active particles in complex fluids
- 15:45 – 16:15 Fumiaki Nakai (Osaka University)
Yielding in crystalline granular media
- 16:15 – 16:45 Erika Nozawa (Yamagata University)
A complex systems approach for dairy processing:
From macroscopic rheological texture to microscopic particle structure
- 16:45 – 17:15 Chaimongkol Saengow (Thammasat University)
Extensible yield stress fluids in additive manufacturing
- 17:15 Closing

Contact

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