

# 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, Engineering Science International Hall, Seminar Room

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

### **Date:**

June 5<sup>th</sup>, 2026

### **Program (invited talks only)** (updated on March 18)

9:00 – 9:45	Ian Frigaard (University of British Columbia, keynote) Bubbles in yield stress fluids
9:45 - 10:00	Break
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	Chaimongkol Saengow (Thammasat University) Extensible yield stress fluids in additive manufacturing

- 11:30 – 12:00 Seyed Mohammad Taghavi (Université Laval)  
Displacement flows of viscoplastic fluids: challenging interfaces  
and complex interfacial dynamics
- 12:00 – 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 Hossein Rahmani (University of British Columbia)  
On plane channel flow of a Saramito EVP fluid
- 16:45 – 17:15 Erika Nozawa (Yamagata University)  
A complex systems approach for dairy processing:  
From macroscopic rheological texture to microscopic particle structure
- 17:15 Closing

#### Contact

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