

# 3rd International Mini-Symposium on Surface Forces



Date : January 25(Monday), 2016

Place : 2F Seminar room, WPI-AIMR, Tohoku Univ.

10:00 Opening Remarks

Motoko Kotani (WPI-AIMR, Tohoku University)

10:10 Derek Y C Chan (The University of Melbourne, Australia)

**The Hydrophobic Interaction between Hard and Soft Surfaces**

10:50 Shigeru Deguchi (JAMSTEC, Japan)

**Pressure-Dependent Structural Change of 2D Colloidal Array  
in Supercritical Ethanol**

11:30 Cathy McNamee (Shinshu University, Japan)

**Forces of Langmuir monolayers of particles at air/liquid interfaces**

12:00 **Poster Session and Lunch**

13:30 Suzanne Giasson (Universite de Montreal, Canada)

**Design, Structure, and Properties of Micro/Nano Structured  
Multi-Responsive Surfaces**

14:10 Kazue Kurihara (Tohoku University, Japan)

**Surface Forces Measurement for Materials Science**

14:50 Filippo Federici Canova (Aalto University, Finland)

**Liquids-Machine learning for lubricant optimisation**

15:20 Coffee Break

15:50 William Ducker (Virginia Tech, USA)

**Lubrication Forces and the Flow of Air Over Solid Surfaces:  
Can They Be Manipulated By Changes In The Flow Boundary Condition?**

16:30 Masashi Mizukami (Tohoku University, Japan)

**Surface Forces Measurement for Studying Solid-Liquid Interfaces  
and Confined Liquids**

17:30 ~ Banquet

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