

第 19 回表面力セミナー 4th International Mini-Symposium on Surface Forces

Date : Feb. 22 (Fri), 2019

Venue : Lecture Room A (612), Extended Education & Research Building,
Tohoku University Accounting School

– Program –

- 10:00 Opening Remarks **Kazue Kurihara** (NICHe, Tohoku University)
- 10:05 **Calum Drummond** (RMIT University)
Solvent Nanostructure, the Solvophobic Effect and Amphiphile Self-Assembly in Ionic Liquids
- 10:55 **Oleksandr Savateev** (Max Planck Institute of Colloids and Interfaces)
Heterogeneous Carbon Nitride Organic Photocatalysis
- 11:30 **Shinichiro Nomura** (Graduate School of Engineering, Tohoku University)
Cell-sized molecular robot: under construction
- 12:05 - Lunch Break 65 min -
- 13:10 **Wilfred T. Tysoe** (Department of Chemistry and Biochemistry, University of Wisconsin-Milwaukee)
Understanding Mechanocatalytic Reaction Pathways: Surface Chemistry at the Solid-Solid Interface
- 14:00 **Cathy McNamee** (Faculty of Textile Science and Technology, Shinshu University)
Effect of a Liquid Flow on the Forces between Charged Surfaces
- 14:30 **Takuya Yanagimachi** (NICHe, Tohoku University)
Surface Anchoring of Nematic Liquid Crystal on Swollen Polymer Brush Studied by Surface Forces Measurement
- 15:00 - Coffee Break 20 min -
- 15:20 **Tomoyuki Nagaya**¹, **Hiroshi Orihara**² (¹Division of Natural Science, Oita University,
²Division of Applied Physics, Hokkaido University)
Negative Viscosity of a Liquid Crystal in the Presence of Electroconvection
- 16:00 **Masashi Mizukami** (IMRAM, Tohoku University)
Contact Mechanics of Polymer Hydrogel and a Silica Sphere Studied by Resonance Shear Measurement
- 16:30 **Sylvain Hemette** (School of Engineering, Tohoku University)
Rubber-Ice Friction A Multi-Scale and Multi-Physical Approach
- 17:00 End
- 18:00 Dinner (Forest Kitchen with Outdoor Living in Hotel Metropolitan Sendai East)

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