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 Nagaya¹, Hiroshi Orihara² (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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