

International Mini-Symposium on Surface Forces

at Matsushima CENTURYHOTEL

TEL: 022-354-4111

<http://www.centuryhotel.co.jp/>

PROGRAM

MONDAY 05-March-2007

- 10:00-10:05 Kazue KURIHARA (IMRAM, Tohoku University) Opening remarks
- 10:05-10:30 Kazue KURIHARA (IMRAM, Tohoku University)
Recent Developments of Surface Forces Research at Sendai
- 10:30-10:50 Neval YILMATZ (IMRAM, Tohoku University)
Nanosopic characterization of adsorbed films at the solid-liquid interface
- 10:50-11:10 Tatsuro SHINZAWA (IMRAM, Tohoku University)
Assembling of Gold Nanoparticles Employing Surface Molecular Macroclusters
- 11:10-11:30 Junichi WATANABE (IMRAM, Tohoku University)
Molecular behaviors of lubricating oils investigated by resonance shear measurement
- 11:30-12:00 Shinji YAMADA (Kao)
Fluorinated Tribological Coatings by the Adsorbed Monolayers of Confined Liquid Lubricant
- 12:00-13:00 *lunch*
- 13:00-13:45 Gerald POLLACK (Washington University)
Cells, Gels and Surfaces: Life in the hydrophilic environment
- 13:45-14:15 Kazuaki FURUKAWA (NTT Basic Research Laboratory)
FRET Observation Using "Lipid-Flow Chip"
- 14:15-14:40 Short Presentation / Self-introduction
Masatoshi FUJII (Tokyo Metropolitan University) , Satoshi ENDO (IMRAM, Tohoku University) ,
Zhang LI (IMRAM, Tohoku University) , Pichierri FABIO (IMRAM, Tohoku University)
- 14:40-15:10 *coffee break / Poster*
- 15:10-15:55 Roger HORN (University of South Australia)
Colloidal forces involving a fluid drop measured in a modified SFA
- 15:55-16:40 Ludmila BOINOVICH (A.F. Frumkin Institute of Physical Chemistry and Electrochemistry
Russian Academy of Sciences)
Wetting Behaviour and Surface Forces in the Wetting Films of Alkanes on Water
- 16:40-17:25 Kenichi YOSHIKAWA (Kyoto University)
Regular Motion of a Droplet Driven by Interfacial Instability

TUESDAY 06-March-2007

- 9:00- 9:45 Raj RAJAGOPALAN (National University of Singapore)
Microrheology of Dense Soft-Sphere Dispersions with a Hard Core
- 9:45-10:30 William DUCKER (The University of Melbourne)
Forces Acting on Small Particles: the Role of Hydrodynamics and Interfacial Structure
- 10:30-11:00 Shigeru DEGUCHI (Extremobiosphere Research Center, JAMSTEC)
Colloidal Phenomena in Supercritical Water
- 11:00-11:20 *coffee break*
- 11:20-11:45 Hiroshi SAKUMA (IMRAM, Tohoku University)
Aqueous Electrolyte Solutions Confined between Mica Surfaces Studied by Resonance
Shear Measurement
- 11:45-12:10 Masashi MIZUKAMI (IMRAM, Tohoku University)
Surface Induced Liquid Structuring: Hydrogen-Bonded Molecular Macrocluster
- 12:10-12:20 Closing Remarks