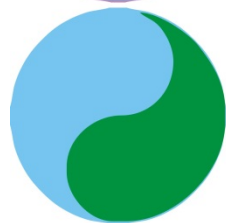
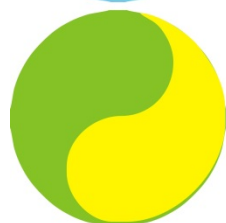


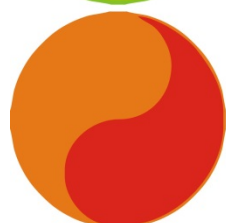
Western



Pacific



Colloids



2015

**Program
Booklet**

MONDAY, 16TH NOVEMBER

08.20	OPENING	CHAIR: <i>Vince Craig</i>
08.30	PLENARY Guangming Liu	Reorganization of Inter-Chain Hydrogen-Bond Network Makes Strong Polyelectrolyte Brushes pH Responsive
09.10	Kohji Ohno	Self-Assembly of Polymer-Brush Particles Synthesized by Surface-Initiated Living Radical Polymerization
09.30	Bo Wu	Effects of Chain Stiffness on Protein Adsorption of Polyelectrolyte Multilayers
09.50	Alison Tasker	Microcapsules with impermeable metal shells for the encapsulation of small, volatile oils
10.10	MORNING TEA	
10.40		CHAIR: <i>Hirofumi Kanoh</i>
	Raffaele Mezzenga	Controlling Diffusion in Lipid Mesophases: Implications for Protein Crystallization, Reconstitution & Biosensors
11.00	Jing Luo	Preparation of self-assembled molecularly imprinted PANI nanoparticles and its application in electrochemical sensors
11.20	Shigesaburo Ogawa	Constructions of hierarchical structure of methylated cyclodextrin in constrained geometry nano-thin films
11.40	Lok Kumar Shrestha	Porous Fullerene Nanomaterials: From Zero to Higher Dimensions
12.00	LUNCH	
13.00		CHAIR: <i>Guangzhao Zhang</i>
	Yuji Yamashita	Micro-calorimetric Study on The Structural Transition in Micellar Solution Phase
13.20	Jitendra Mata	Extended Q-Range Small Angle Neutron Scattering from Inverse Micellar Solutions of PIBSA
13.40	Kiyoshi Kanie	Organic-Inorganic Hybrid Dendrimer with a CdS Nano-Core: Photoluminescence Behavior
14.00	Alexandru Zabara	Control of Lipid Phase Behavior by Molecular Design: Implications for Membrane Protein Crystallization
14.20	Kenji Aramaki	Tubular electroconductive network formation in a nonpolar solvent through surfactant molecular assembly
14.40	AFTERNOON TEA	
15.20		CHAIR: <i>Hyoung Jin Choi</i>
	Hirofumi Kanoh	Kinetics and Structural Changes in CO ₂ Capture of K ₂ CO ₃ under a Moist Condition
15.40	Yee-Kwong Leong	Washed Oxide Suspensions: Yield Stress and Microstructure at the Isoelectric Point and Deduced Fractal Dimension
16.00	Satoshi Watanabe	Flow Microreactor Synthesis of Soft Porous Metal-Organic Frameworks with Controlled Size and Adsorption Properties
16.20	Stephen Hyde	3D weavings via non-euclidean geometry & metal-organic frameworks
17.00 – 19.00	POSTER SESSION	

TUESDAY, 17TH NOVEMBER

08.30		CHAIR: <i>Kazue Kurihara</i>
	PLENARY Sachiko Matsushita	Control of Nanomorphology of Colloidal Particle Structures for Near-Field Optics
09.10	Jonathan Hill	Porphyrins, Pyrazinacenes and Oxoporphyrinogens: Surface Assembly (and other) Effects
09.30	Hiroyuki Shinto	Cell Membrane Disruption Induced by Amorphous Silica Nanoparticles in Different Types of Mammalian Cells
09.50	MORNING TEA	
10.30		CHAIR: <i>Erica Wanless</i>
	Atsushi Hozumi	Perfluorinated-Compounds Are Not Required to Improve Dynamic Surface Dewettability
10.50	Dayang Wang	How hydrophilic can a hydrophilic surface be?
11.10	Yuji Hirai	Friction measurements of <i>Thermobia domestica</i> 's scales by using colloidal-probe atomic force microscope
11.30	Masahito Sano	Peculiar States of Liquid in Gel Macroscopically Spread near Solid Surfaces
11.50	LUNCH	
13.00		CHAIR: <i>Kaoru Tamada</i>
	Kazue Kurihara	<i>To be announced</i>
13.20	Naoyuki Ishida	Interaction Force between Hydrophobized Silica Surfaces in Water-Organic Solvent Mixtures
13.40	Drew Parsons	Nonelectrostatic Ion Interactions May Induce Repulsive Forces Between Redox Electrodes
14.00	Christine Browne	Depletion and Structural Force Interactions of Bubbles in Aqueous Polyelectrolyte Solutions
14.20	Ivan Vakarelski	The motion of an ice sphere in water – interfacial mass transfer and hydrodynamic drag
14.40	AFTERNOON TEA	
15.20		CHAIR: <i>Xiangjun Gong</i>
	To Ngai	A General Route to Prepare Janus Particles from Liquid Marbles
15.40	Erica Wanless	Liquid Marble and Water Droplet Interactions and Stability
16.00	Koji Horigome	Interfacial Behavior of Hydrogel Particles which are Spontaneously Adsorbed at the Air / Water Interface
16.20	Catherine Whitby	Destabilising Pickering emulsions by drop flocculation and adhesion
19.30	CONFERENCE DINNER	

WEDNESDAY, 18TH NOVEMBER

08.30

CHAIR: *Shigeru Deguchi*

PLENARY
Masashi
Mizukami

Physical Model Analysis of Resonance Shear Measurement for Tribology

09.10

Hyoung Jin Choi

Pickering Emulsion Fabricated Core-Shell Type Composite Particles and Their Electrorheological Response

09.30

Ziyang Lu

Formation of surface nanodroplets under controlled flow conditions

09.50

Vincent Craig

Nanobubbles at Surfaces and in Bulk

10.10

MORNING TEA

10.40

CHAIR: *To Ngai*

Shigeru Deguchi

Bottom-Up Emulsification Under Conditions Mimicking Deep-Sea Hydrothermal Vents

11.00

Franz Grieser

Formation of Amino Acids on the Implosion of Cavitation Bubbles in Water Containing Prebiotic Gases

11.20

Ko Higashitani

Rapid Coagulation Rate of Nano-Size Particles in Aqueous Solutions

11.40

Derek Chan

Novel electrostatic boundary condition for metallic nano-particles

12.00

LUNCH

TOUR

THURSDAY, 19TH NOVEMBER

08.30

CHAIR: *Satoshi Watanabe*

Kaoru Tamada

Characteristics of localized surface plasmons excited on mixed monolayers of self-assembled Ag and Au nanoparticles

08.50

Namsoon Eom

Surface Force Measurements between Atomic Layer Deposition Prepared Mineral Oxide Surfaces

09.10

Naoki Toshima

Preparation of Nano-dispersed Polymer Complex Poly(nickel 1,1,2,2-ethenetetratiolate) and Its Application

09.30

Guangzhao Zhang

Using Biodegradable Polymers to Inhibit Marine Biofouling

09.50

Tsugio Sato

Morphologically Controlled Synthesis of Ceria Particles for UV-shielding Application

10.10

MORNING TEA

10.40

CHAIR: *Jonathan Hill*

Yasuo Niidome

Mass Spectrometry of Gold Colloids in Tissue Sections and Blotting Membranes

11.00

Xiangjun Gong

Three-dimensional Tracking of Dynamics of Colloids and Biosomes

11.20

Tingting Hou

Sensors based on optical interferometry

11.40

CLOSING

12.00

LUNCH