

The First International Symposium on Advanced Soft Matter

Celebrating the Kick-off of the Global Station for Soft Matter, GI-CoRE, Hokkaido University

(as of June 9th)

Day 1 : June 13 th , Monday		
15:00-15:20	Welcome and Opening Remarks -Dr. Keizo Yamaguchi, President of Hokkaido University and Director of Global Institution for Collaborative Research and Education -Mr. Naoki Himiya, Director of National University Corporation Support Div., the Ministry of Education, Culture, Sports, Science and Technology, Japan -Dr. Makoto Demura, Dean of Faculty of Advanced Life Science, Hokkaido University -Dr. Michael Rubinstein, Distinguished Professor of Dept. of Chemistry, University of North Carolina at Chapel Hill	MC: Dr. N. Kitamura
15:20-15:30	Introduction of the GSS Presenters	Introducer: Dr. J. P. Gong
15:30-16:20	Keynote Lecture : Dr. Kohzo Ito Graduate School of Frontier Sciences, The University of Tokyo <i>Title : Slide-Ring Materials: Novel Concept for Flexible and Tough Polymers</i>	Chair: Dr. J.P. Gong
16:20-16:50	Overview and Progress Report: Dr. Jian Ping Gong Faculty of Advanced Life Science, Hokkaido University <i>Title : High Performance Hydrogels for Advanced Medical Technologies</i>	Chair: Dr. M. Demura
16:50-16:55	Closing Remarks	Dr. Kazushige Kawabata, Executive/Vice President of Hokkaido University
16:55-17:15	Photo shoot (for the invitees)	
18:00-20:00	Banquet (for the invitees)	

Day 2 : June 14 th , Tuesday		
9:00-9:50	Keynote Lecture : Dr. Michael Rubinstein Dept. of Chemistry, University of North Carolina at Chapel Hill <i>Title : "Complexation of Oppositely Charged Polyelectrolytes and Block Polyampholytes"</i>	Chair: Dr. C. Creton
9:50-10:30	Dr. Stephen Craig Dept. of Chemistry, Duke University <i>Title : "Coupling Chemical Reactions to Soft Matter Mechanics"</i>	
10:30-11:00	Dr. Wei Hong Dept. of Aerospace Engineering, Iowa State University <i>Title : "Highly Stretchable Double-Network Composite"</i>	
11:00-11:20	Coffee Break	
11:20-12:00	Dr. Jan Genzer Dept. of Chemical & Biomolecular Engineering, North Carolina State University <i>Title : "Gradient hydrogel and organogel networks"</i>	Chair: Dr. A. Lindner
12:00-12:20	Dr. Tasuku Nakajima Faculty of Advanced Life Science, Hokkaido University <i>Title : Experimental Evaluation of Swelling Effect on Mechanical Properties of Polymer Gels</i>	
12:20-12:40	Dr. Taolin Sun Faculty of Advanced Life Science, Hokkaido University <i>Title : A comparative study on tough hydrogels from the complexation of oppositely charged polyelectrolytes and polyampholytes</i>	
12:40-13:00	Dr. Daniel R. King Faculty of Advanced Life Science, Hokkaido University <i>Title : Developing Extremely Tough Soft Composites</i>	

13:00-14:30	Lunch (for the invitees)	
14:30-14:50	Dr. Takayuki Kurokawa Faculty of Advanced Life Science, Hokkaido University <i>Title : Adhesion gain by fibrous skeleton learned by imitation of fish suction pad</i>	Akira Suzuki Lecture Hall at Frontier Research in Applied Sciences Building 2F, Faculty of Engineering, Hokkaido University
14:50-15:20	Dr. Nobuto Kitamura Graduate School of Medicine, Hokkaido University <i>Title : In vivo cartilage regeneration using a novel double-network hydrogel</i>	
15:20-15:40	Dr. Takayuki Nonoyama Faculty of Advanced Life Science, Hokkaido University <i>Title : Tough DN Hydrogel Bondable to Bone</i>	
15:40-16:10	Dr. Norimasa Iwasaki Graduate School of Medicine, Hokkaido University <i>Title : An acellular cartilage tissue repair technique using an ultrapurified alginate gel</i>	
16:10-16:40	Dr. Shinya Tanaka Graduate School of Medicine, Hokkaido University <i>Title : Application of soft matter to cancer research: Identification of cancer stem cells by DN gel</i>	
16:40-17:10	Dr. Kuniharu Ijro Research Institute for Electronic Science, Hokkaido University <i>Title : DNA brushes as functional interfaces for bio/nano applications</i>	

Day 3 : June 15 th , Wednesday		
9:00-9:50	Keynote Lecture : Dr. Costantino Creton ESPCI, PSL Research University, and CNRS <i>Title : "Fracture in multiple network elastomers : from bond breakage to fracture Mechanics"</i>	Akira Suzuki Lecture Hall at Frontier Research in Applied Sciences Building 2F, Faculty of Engineering, Hokkaido University
9:50-10:10	Dr. Alba Marcellan ESPCI, PSL Research University, and University Pierre et Marie Curie <i>Title : "Responsive Toughening under Isochoric Conditions in Phase-Separated Gels"</i>	
10:10-10:40	Dr. Tetsuharu Narita ESPCI, PSL Research University, and CNRS <i>Title : "Linear and nonlinear rheological properties of rigid polymer networks"</i>	
10:40-11:10	Coffee Break	
11:10-11:40	Dr. Anke Lindner ESPCI, PSL Research University, and University of Paris Diderot <i>Title : "Complex transport dynamics of microfibers"</i>	Akira Suzuki Lecture Hall at Frontier Research in Applied Sciences Building 2F, Faculty of Engineering, Hokkaido University
11:40-12:00	Dr. Thomas Salez ESPCI, PSL Research University, and CNRS <i>Title : "Cooperative Strings and Glassy Interfaces"</i>	
12:00-12:40	Dr. Dominique Hourdet ESPCI, PSL Research University, and University Pierre et Marie Curie <i>Title : "Connecting polymers with nanoparticles"</i>	
12:40-12:45	Closing Remarks : Dr. Jian Ping Gong Faculty of Advanced Life Science, Hokkaido University	
12:50-13:20	Taking the campus shuttle to the Northern Campus area in two groups: Group A @13:05, Group B@13:20	Bus Stop
13:20-15:00	Lunch (for the invitees)	
15:00-17:00	Poster Presentation and Free Discussion (The return shuttle buses run every 10-15 minutes until 20:42)	New LSW Facility at Northern Campus

