



GSS International Mini-Symposium

Soft Matter Deformation and Function

Date	Wednesday, July 17, 2019
Location	Conference Room, CRIS Building (5F), Hokkaido University

12:30	Registration
13:00 - 13:05	Opening Remarks Dr. Jian Ping Gong Hokkaido University
13:05 - 13:45	The Role of Surface Stress on the Mechanical Behavior of Soft Materials Dr. Chung-Yuen Hui Cornell University/ Hokkaido University
13:45 - 14:15	Self-Growing Hydrogels through a Metabolic-Like Mechanochemical Process Dr. Tasuku Nakajima Hokkaido University
14:15 - 14:45	Direction-Dependent Contraction Forces on Cell Boundaries Induce Collective Migration of Epithelial Cells within Their Sheet Dr. Katsuhiko Sato Hokkaido University

Coffee Break

15:00 - 15:40	Kinetics-Induced Structures in Polymeric Gels Dr. Wei Hong Iowa State University/ Southern University of Science and Technology/ Hokkaido University
15:40 - 16:10	Thermo-Modulus Jumping of Hydrogels Based on Rubbery-to-Glassy Transition at Elevated Temperature Dr. Takayuki Nonoyama Hokkaido University
16:10 - 16:40	Collective Movement and 3D Morphology of Epithelial Cells on Viscoelastic Substrates Dr. Hisashi Haga Hokkaido University

Coffee Break

Special Session: The 2nd Dr. Clark Research Symposium

16:55 - 17:35	Materials Mechanics for Impulsive Movement Dr. Alfred Crosby University of Massachusetts Amherst
17:35 - 18:05	Double Network Hydrogels Based on Semi-Rigid Polyelectrolyte Physical Networks Dr. Daniel R. King Hokkaido University (UMass Amherst Alumnus)
18:05 - 18:10	Closing Remarks Dr. Makoto Demura Director of GSS, Hokkaido University



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