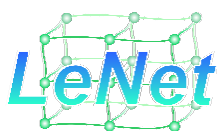


Lenet International Symposium

Low Entropy Soft Matter

DAY 1

Date	Wednesday, February 12, 2025
Location	Conference Room, Hokkaido University Conference Hall (2F)
9:00~	Registration
9:30 - 9:45	Opening Remarks Dr. Jian Ping Gong Hokkaido University
9:45 - 10:30	Use of spiropyran mechanophores to detect molecular forces in nanocomposite elastomers Dr. Costantino Creton ESPCI Paris-PSL
10:30 - 11:00	Ratiometric force imaging for soft materials Dr. Shohei Saito Osaka University
11:00 - 11:30	Ladder Polymers as Low Entropy Polymers Dr. Fumitaka Ishiwari Osaka University
11:30- 13:00	Lunch Break
13:00 - 13:45	Model Transient Polymer Networks: From their Composition to their Viscoelastic Properties Dr. Evelyne Van Ruymbeke Université catholique de Louvain
13:45 - 14:15	Bond exchange-induced unusual structural and rheological properties of vitrimer-like materials with phase-separated network Dr. Mikihiro Hayashi Nagoya Institute of Technology
14:15- 14:45	Coffee Break
14:45 - 15:15	Stretch-induced Ordered Structures in Gels Dr. Xiang Li Hokkaido University
15:15 - 15:45	Entropic and Energetic Elasticity in Rubber-like Gels Dr. Naoyuki Sakumichi The University of Tokyo
15:45 - 16:30	Functionalization of polymer materials utilizing rigid and flexible multiple hydrogen bonds Dr. Naoko Yoshie The University of Tokyo
17:00 - 18:30	Welcome party

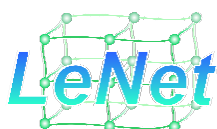


Lenet International Symposium

Low Entropy Soft Matter

DAY2

Date	Thursday, February 13, 2025
Location	Conference Room, Hokkaido University Conference Hall (2F)
【ICReDD Session】	
9:30 - 10:00	Reorganization of entangled DNA networks due to competition between condensin complexes and linker histones Dr. Tetsuya Yamamoto Hokkaido University
10:00 - 10:20	Biomimetic Approaches via Mechanochemical Growth in DN Gels Dr. Gumi Wei Hokkaido University
10:20 - 10:40	Mechanically strengthening and morphogenesis of double network hydrogels via force-induced bond breaking and formation Dr. Zhijian Wang Hokkaido University
10:40 - 11:10	Unique chemical and mechanical behaviors of ultimately deformed polymer networks Dr. Tasuku Nakajima Hokkaido University
11:10 - 11:25	Photo shoot
11:25- 13:15	Lunch Break
13:15 - 14:00	Functional polymer gel for decomposing organophosphates and removal of heavy metals, toxins, and orthophosphates Dr. Jan Genzer NC State University
14:00 - 14:30	Mineralization in Double Network Hydrogel to Visualize Polymer Network and to Regulate Mineral Formation Dr. Takayuki Nonoyama Hokkaido University
14:30 - 15:00	Towards frontiers in dynamic light scattering Dr. Takashi Hiroi Shibaura Institute of Technology
【Poster Session】	
15:00- 17:00	Poster Session / Coffee Break
19:00 - 21:00	Banquet



Lenet International Symposium

Low Entropy Soft Matter

DAY3

Date	Friday, February 14, 2025
Location	Conference Room, Hokkaido University Conference Hall (2F)
9:30 - 10:15	Nonlinear and Fracture Mechanics of Soft Polymer Networks: Insights From Strain Crystallizing to Liquid Crystal Elastomers Dr. Kenji Urayama Kyoto University
10:15 - 10:45	Tough Polymer Gels Reinforced by Strain-Induced Crystallization Dr. Koichi Mayumi The University of Tokyo
10:45 - 11:15	“Force fingerprints” of single polymer chain observed by stretching macroscopic polymer network Dr. Tsutomu Indei Hokkaido University
11:15- 12:45	Lunch Break
12:45 - 13:00	Soft matter lab tour video
13:00 - 13:30	In-situ Evaluation of the Polymer Concentration Distribution of Polyelectrolyte Hydrogels by Microelectrode Technique Dr. Takayuki Kurokawa Hokkaido University
13:30 - 14:15	Gel-gel phase separation –Interplay between osmotic and elastic pressures– Dr. Takamasa Sakai The University of Tokyo
14:15 - 14:30	Closing Remarks / Poster Awards



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