



11:20– 11:40

**Invited Lecture**

IL05

**Novel Synthetic Pathway for Multicyclic Polymers**

Toshifumi Satoh (*Hokkaido University*)

11:40 – 12:00

**Invited Lecture**

IL06

**Control of Polymer Architecture via RAFT Alternating Copolymerization**

Myungeun Seo (*Korea Advanced Institute of Science and Technology*)

12:00 – 13:40

**Lunch Time**

13:40 – 14:10

**Keynote Lecture**

KL02

**Novel Hydrogels with Reversible Sacrificial Bonds –From Toughness to Wet Adhesion to Composites–**

Jian Ping Gong (*Hokkaido University*)

14:10 – 14:30

**Invited Lecture**

IL07

**Side Chain Engineering in Conjugated Polymers for a Long Bistable Electrochromism**

Eunyoung Kim (*Yonsei University*)

14:30 – 14:50

**Invited Lecture**

IL08

**Tribological phenomena of molecular assembled films**

Kenji Hisada (*Fukui University*)

14:50 – 15:10

**Coffee break**

15:10 – 15:30

**Invited Lecture**

IL09

**Organic Photovoltaic Polymers for Next Generation Green Energy Sources**

Han Young Woo (*Korea University*)

15:30 – 15:50

**Invited Lecture**

IL10

**Morphology Control Based on Post-Functionalization of Block Copolymers**

Teruaki Hayakawa (*Tokyo Institute of Technology*)

15:50 – 16:10

**Invited Lecture**

IL11

**Rational Design of Conducting Polymers for Energy Devices**

Taiho Park (*Pohang University of Science and Technology*)

16:10 – 18:00

Student Poster Session

*at Second floor, Frontier Research in Applied Sciences Building,*

18:30 –

Dinner at Sapporo Beer Garden

**☆July 25<sup>th</sup>, Wednesday☆**

*at Akira Suzuki Hall (Second floor), Frontier Research in Applied Sciences Building,  
Faculty of Engineering, Hokkaido University*

9:00 – 9:30

Keynote Lecture

KL03

**Synchrotron Radiation X-ray Scattering of Polymeric Materials under Various Deformation States**

Atsushi Takahara (*Kyusyu University*)

9:30 – 9:50

Keynote Lecture

IL12

**Organic Sol-Gel Synthesis of Nanostructured Materials for Catalysis**

Ji-Woong Park (*Gwangju Institute of Science and Technology*)

9:50 – 10:10

Invited Lecture

IL13

**Lattice-Controlled A-A / B-B type Stepwise Polymerization**

Kazuki Sada (*Hokkaido University*)

10:10 – 10:30

Coffee break

10:30 – 10:50

Invited Lecture

IL14

**Pd-initiated Polymerization of Diazoacetate to A fford Poly(alkoxycarbonylmethylene)**

Eiji Ihara (*Ehime University*)

10:50 – 11:10

Invited Lecture

IL15

**Effects of Compositional Asymmetry and Chain Length on Phase Transition Behavior of Symmetric Diblock Copolymers**

Du Yeol Ryu (*Yonsei university*)

11:10 – 11:30

Invited Lecture

IL16

**Anionic polymerization of benzofulvene derivatives**

Takashi Ishizone (*Tokyo Institute of Technology*)

11:30 – 11:50

**Invited Lecture**

IL17

**Intrinsically Stretchable and Healable Semiconducting Polymer for Skin-Inspired Wearable Transistors**

Yu-Cheng Chu (*National Taiwan University of Science and Technology*)

11:50 – 13:30

**Lunch Time**

13:30 – 14:00

**Keynote Lecture**

KL04

**Block Copolymer Assemblies in Nano Confinement**

Kookheon Char (*Seoul National University*)

14:00 – 14:20

**Invited Lecture**

IL18

**AFM Nanomechanics on Polymeric Materials**

Ken Nakajima (*Tokyo Institute of Technology*)

14:20 – 14:40

**Invited Lecture**

IL19

**Design Rules of Efficient Ion Conducting Polymers: From Block Copolymers to Single-Ion Polymers**

Moon Jeong Park (*Pohang University of Science and Technology*)

14:40 – 15:00

**Coffee break**

15:00 – 15:20

**Invited Lecture**

IL20

**Design of multi-modal Stimuli-responsive polymers**

Woo-Dong Jang (*Yonsei University*)

15:20 – 15:40

**Invited Lecture**

IL21

**Instantly formative hydrogels for artificial vitreous body**

Takamasa Sakai (*University of Tokyo*)

15:40 – 16:00

**Invited Lecture**

IL22

**Hierarchically Architected Cellular Network of Graphene Bubbles for Ultralight, Strong, and Superelastic Materials**

Pil J. Yoo (*Sungkyunkwan University*)

16:00 – 16:20

**Coffee break**

- 16:20 – 16:40** **Invited Lecture**
- IL23** **Multilayer nano-films for stem cell technology**  
Jinkee Hong (*Yonsei University*)
- 16:40 – 17:00** **Invited Lecture**
- IL24** **Functional Materials Formed from Cyclic Polymers**  
Takuya Yamamoto (*Hokkaido University*)
- 17:00 – 17:20** **Invited Lecture**
- IL25** **Tuning the Release Kinetics of pH-Responsive All Polyether Micelles with Novel Epoxide Monomers**  
Byeong-Su Kim (*Ulsan National Institute of Science and Technology*)
- 17:20 – 17:40** **Invited Lecture**
- IL26** **Loss tangent map measured by nanorheological atomic force microscope**  
Eijun Ueda (*Zeon Corporation*)
- 18:30 –** **Banquet at Hotel Mystays Sapporo Aspen**

**☆July 26<sup>th</sup>, Thursday☆**

***at Akira Suzuki Hall (Second floor), Frontier Research in Applied Sciences Building,  
Faculty of Engineering, Hokkaido University***

- 9:00 – 9:20** **Invited Lecture**
- IL27** **Swelling Kinetics and Proton Conductivity in Thin Nafion Films**  
Keiji Tanaka (*Kyushu University*)
- 9:20 – 9:40** **Invited Lecture**
- IL28** **Mixed Conductor-Based Bioelectronics: From PEDOT:PSS Thin Film Electrochemical Transistors to Single-Strand Microfiber Sensors**  
Myung-Han Yoon (*Gwangju Institute of Science and Technology*)
- 9:40 – 10:00** **Invited Lecture**
- IL29** **A rational entry to macrocyclic compounds and polymers via selective cyclization derived from dynamic covalent bond**  
Daisuke Aoki (*Tokyo Institute of Technology*)

- 10:00 – 10:20** **Invited Lecture**  
**IL30** **Synthesis and Morphology of Sugar-Containing Low Molecular Weight Block Copolymers**  
Takuya Isono (*Hokkaido University*)
- 10:20 – 10:40** **Coffee break**
- 
- 10:40 – 11:00** **Invited Lecture**  
**IL31** **Morphology Control of High Performance Polymers Prepared from cinnamic Acid Derivatives**  
Hironori Atarashi (*Okayama University*)
- 11:00 – 11:20** **Invited Lecture**  
**IL32** **Biomimetic functional hydrogels with anisotropic structures**  
Youn Soo Kim (*Pohang University of Science and Technology*)
- 11:20 – 11:40** **Invited Lecture**  
**IL33** **Construction and thermophysical characterization of hierarchical assemblies composed of filamentous viruses**  
Toshiki Sawada (*Tokyo Institute of Technology*)
- 
- Chairman: Prof. Toshifumi Satoh and Eunkyong Kim**
- 11:40 –** **Poster Award Ceremony**
- 12:00 – 13:00** **Lunch Time**
- 13:45 –** **Move to Dai-ichi Takimotokan, Noboribetsu from North Exit of Sapporo Station**
- 20:00 –23:00** **Integration meeting at Dai-ichi Takimotokan, Noboribetsu**

**☆July 27<sup>th</sup>, Thursday☆**  
**at Dai-ichi Takimotokan, Noboribetsu**

---

**Chairman: Toshifumi Satoh and Eunkyong Kim**

- 8:00 – 9:30** **Meeting for future collaboration at Dai-ichi Takimotokan, Noboribetsu**
- 9:30 –** **Closing remarks and Move to New Chitose Airport and Sapporo Station**