

Joint Symposium of the 2nd KIChE-Japan Academic Seminar and the 13th JCK Symposium on Chemical & Nanotechnology Innovation for Young Researchers

Letter of invitation

November 30th, 2021

Dear Colleagues,

With this letter, it is my great pleasure to invite you to the Joint Symposium of the 2nd KIChE-Japan Academic Seminar and the 13th JCK Symposium on Chemical & Nanotechnology Innovation for Young Researchers, which will be held on December 15, 2021 in Kyoto University, Kyoto, Japan (Online). To meet the increasing demand and necessity for international cooperation, the Korean Institute of Chemical Engineers (Japan region) has been making extensive efforts to promote the international academic exchange. I believe that your presentation for the symposium will be mutually beneficial. Should you have any questions or concerns, please do not hesitate to ask. I am looking forward to your participation.

Organizing Committee

Executive Committee Chair

Ick-Soo Kim (Shinshu University, Japan)

Executive Committee

Hyung Do Kim (Kyoto University, Japan)

Il Jeon (Sungkyunkwan University, Korea)

Soyoung Park (Osaka University, Japan)

Dongwook Kim (Kyoto University, Japan)

Soyeon Kim (Tohoku University, Japan)

Yun Kee Jo (Kyungpook National University, Korea)

Jian Shi (Akita Prefectural University, Japan)

Zeeshan Khatri (Mehran University of Engineering and Technology, Pakistan)

Ke-Qin Zhang (Soochow University, China)

Xuehong Ren (Jiangnan University, China)

Yongsoo Jeong (LG Japan Lab, Japan)

Jeonghyun Kim (Nagoya University, Japan)

Hyung Joon Cha (POSTECH, Korea)

Kai Wei (Soochow University, China)

2021

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Time	Program	Contributor
13:00 ~ 13:10	Opening Ceremony	Prof. Soyounng Park
13:10 ~ 13:30	「Tales of Filamentous One-dimensional ‘Nano-carbon’ and ‘Bio’ Materials as Perovskite Crystal Templates」 - Prof. Il Jeon (Sungkyunkwan University)	Chair. Prof. Hyung Do Kim
13:30 ~ 13:50	「3D Printing and Particles」 - Prof. Jun Zhang (Soochow University)	
13:50 ~ 14:10	「Strain-induced Enhancement of Density Fluctuations in Glassy Materials」 - Prof. Mikihito Takenaka (Kyoto University)	
14:10 ~ 14:30	「Mechanical Stimuli-Responsive Microcapsules for On-demand Therapeutics Delivery」 - Prof. Yun Kee Jo (Kyungpook National University)	
14:30 ~ 14:50	Coffee Break	
14:50 ~ 15:05	「Synthesis and Enzymatic Degradation of Paramylon Ester-Graft-Poly (L-Lactic Acid)」 - Jin Ho Seok (The University of Tokyo)	Chair. Prof. Il Jeon
15:05 ~ 15:20	「Fabrication and Characterization of PVA/Folic Acid Hybrid Nanofibers for Biomedical Applications」 - Sana Ullah (Shinshu University)	
15:20 ~ 15:35	「Fabrication of Structural Color Fibers with Coaxial Layer by Microfluidic Technology」 - Tinging Qiu (Soochow University)	
15:35 ~ 15:50	「Carbon Nanotube Mask Filters and their Hydrophobic Barrier and Hyperthermic Antiviral Effects on SARS-CoV-2」 - Sangsu Lee (Sungkyunkwan University)	
15:50 ~ 16:05	「Construction of a Shared Electrode in Triboelectric Nanogenerator for Harvesting Energy and Sense form Human Movement」 - Suibo Zhou (Soochow University)	
16:05 ~ 16:25	Coffee Break	
16:25 ~ 16:40	「Bottom-up Fabrication of Nanoporous SiO ₂ Thin Films using Air-Water Interfaces」 - Dr. Yuya Ishizaki (Tohoku University)	Chair. Prof. Soyounng Park
16:40 ~ 16:55	「Analyzing Vibrational Modes of Molecular Liquids using Brownian Oscillator Model: A Machine Learning Approach」 - Kwanghee Park (Kyoto University)	
16:55 ~ 17:10	「Conductive and Patterned Silk Fibroin Film with Screen Printed AgNPs」 - Bilqees (Soochow University)	
17:10 ~ 17:25	「Metal-Free Synthesis of Polysilylether using Silane and Unsaturated Ketone」 - Naoki Yoshida (Tohoku University)	
17:25 ~ 17:40	「Preparation and Electromagnetic-wave-adsorption Properties of a Nitrogen Doped Carbon- Supported Iron(II,III) Oxide Composite」 - Ru Wang (Nantong University)	
17:40 ~ 18:00	Coffee Break	
18:00 ~ 19:00	Discussion & Closing Remarks (Award Ceremony)	

Schedule

2021. 12. 15. Wednesday 13:00 ~ 19:00

Kyoto University & Zoom Hybrid Seminar (No registration required)

{ A2-303, Katsura Campus, Kyoto University, Kyoto, Japan

{ Zoom address: <https://us02web.zoom.us/j/81324401006?pwd=WE0ybUprbkIFZzFWU1BNNUNzUHIxUT09> }

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Organized by

KIChE Japan Region and Institute for Fiber Engineering, Shinshu University

1. Plenary Lectures	
PL-1	Tales of Filamentous One-dimensional ‘Nano-carbon’ and ‘Bio’ Materials as Perovskite Crystal Templates Professor, Il Jeon (Sungkyunkwan University, Korea)
PL-2	3D Printing and Particles Professor, Jun Zhang (Soochow University, China)
PL-3	Strain-induced Enhancement of Density Fluctuations in Glassy Materials Professor, Mikihiro Takenaka (Kyoto University, Japan)
PL-4	Mechanical Stimuli-Responsive Microcapsules for On-demand Therapeutics Delivery Professor, Yun Kee Jo (Kyungpook National University, Korea)
2. Oral Presentations	
OP-1	Synthesis and Enzymatic Degradation of Paramylon Ester-Graft-Poly (L-Lactic Acid) Jin Ho Seok, Yukiko Enomoto, and Tadahisa Iwata (The University of Tokyo, Japan)
OP-2	Fabrication and Characterization of PVA/Folic Acid Hybrid Nanofibers for Biomedical Applications Sana Ullah, and Ick Soo Kim (Shinshu University, Japan)
OP-3	Fabrication of Structural Color Fibers with Coaxial Layer by Microfluidic Technology Tingting Qiu, and Jun Zhang (Soochow University, China)
OP-4	Carbon Nanotube Mask Filters and their Hydrophobic Barrier and Hyperthermic Antiviral Effects on SARS-CoV-2 Sangsu Lee, Jeong-Seok Nam, Jiye Han, Qiang Zhang, Esko I. Kauppinen, and Il Jeon (Sungkyunkwan University, Korea)
OP-5	Construction of a Shared Electrode in Triboelectric Nanogenerator for Harvesting Energy and Sense form Human Movement Suibo Zhou, and Jun Zhang (Soochow University, China)
OP-6	Bottom-up Fabrication of Nanoporous SiO ₂ Thin Films using Air-Water Interfaces Yuya Ishizaki, Shunsuke Yamamoto, Tokuji Miyashita, and Masaya Mitsuishi (Tohoku University, Japan)
OP-7	Analyzing Vibrational Modes of Molecular Liquids using Brownian Oscillator Model: A Machine Learning Approach Kwanghee Park (Kyoto University, Japan)
OP-8	Conductive and Patterned Silk Fibroin Film with Screen Printed AgNPs Bilqees, and Jun Zhang (Soochow University, China)
OP-9	Metal-Free Synthesis of Polysilylether using Silane and Unsaturated Ketone Naoki Yoshida, Huie Zhu, and Masaya Mitsuishi (Tohoku University, Japan)
OP-10	Preparation and Electromagnetic-wave-adsorption Properties of a Nitrogen Doped Carbon-Supported Iron(II,III) Oxide Composite Ru Wang (Nantong University, China)