

2024
15th KJSMI

15th
**Korea-Japan Symposium on
Materials and Interfaces**



Wed. – Sat.

Nov. 27-30, 2024

Royal Hotel Seoul
Myeong-dong, Seoul, Korea

It is my great pleasure to welcome you to the **15th KJSMI** to be held in Seoul, Korea, from November 27 to 30, 2024.

We are dedicated to fostering mutual interaction and developing friendships among Korean and Japanese researchers and students involved in the study of materials and interfaces.

Organized by

Division of Materials, KIChE
Division of Materials and Interfaces,
SCEJ

Conference chair

Yeonho Im (Jeonbuk Nat'l Univ., Korea)
Tsutomu Ono (Okayama Univ., Japan)

- 27 (Wed.)** Registration & Welcome reception
- 28 (Tue.)** Keynote Lecture,
Poster/Invited session & Banquet
- 29 (Fri.)** Keynote Lecture,
Invited session & excursion
- 30 (Sat.)** Panel discussion meeting

Keynote Speakers :



Kijung Yong
POSTECH



Tatsuya Okubo
Univ. of Tokyo

<https://2024kjsmi.weebly.com>

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Wednesday

Royal Hotel Seoul - Jade Room 2F

15:00 – 18:00 Registration

Location : TBA

18:00 – 20:00 Welcome Reception

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Thursday

Royal Hotel Seoul - Grand Ballroom 3F

09:00 – 09:30 Registration

09:30 – 09:40 Opening Remark

09:40 – 10:15 **Keynote I: Prof. Kijung Yong (POSTECH)**
Synthesis of green ammonia by electrochemical nitrogen reduction

10:15 – 10:40 **Invited 1: Prof. Masaru Kubo (Hiroshima University)**
Morphological Control of MOFs via Spray-Assisted Process

10:40 – 11:05 **Invited 2: Prof. Do Hwan Kim (Hanyang University)**
Solid-state Gel Electronics Based on Ion Dynamics

11:05 – 11:30 **Invited 3: Prof. Daisuke Nagao (Tohoku University)**
Advanced sol-gel synthesis of monodisperse silica particles for well-designed functions

11:30 – 13:00 Lunch (Location : TBA)

Royal Hotel Seoul - Jade Room 2F

13:00 – 14:20 Poster Session I

14:30 – 15:50 Poster Session II

Royal Hotel Seoul - Grand Ballroom 3F

16:00 – 16:25 **Invited Talk 4: Prof. Hyunhyub Ko (UNIST)**
Bio-Inspired Soft Skin Sensors

16:25 – 16:50 **Invited Talk 5: Prof. Shinsuke Nagamine (Kyoto University)**
Production plant protein fibers for meat substitutes

16:50 – 17:15 **Invited Talk 6: Prof. Yong-Young Noh (POSTECH)**
Development of high performance p-type semiconductors for thin film transistors

17:15 – 17:40 **Invited Talk 7: Prof. Haruyuki Ishii (Yamaguchi University)**
How to produce uniform-sized polymer nanoparticles via environmentally-adaptable emulsion polymerization

Royal Hotel Seoul - Jade Room 2F

18:00 – 21:00 Banquet

Location : TBA

21:00 – Student Exchange Event

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61, Myeongdong-gil, Seoul, Korea

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Friday

Royal Hotel Seoul - Grand Ballroom 3F

- 09:00 – 09:35** **Keynote II: Prof. Tatsuya Okubo (The University of Tokyo)**
Reengineering of Synthesis and Production of Zeolite
- 09:35 – 10:00** **Invited 8: Prof. Takashi Ogi (Hiroshima University)**
Gas phase synthesis of advanced nanostructured particle and their energy and environmental applications
- 10:00 – 10:25** **Invited 9: Prof. Takaichi Watanabe (Okayama University)**
Toughening of Ion Gels with Multi-Scale Structure Formation
- 10:25 – 10:40** **Break**
- 10:40 – 11:05** **Invited 10: Prof. Tae-II Kim (Sungkyunkwan Univ.)**
Anisotropic thermal conductivity for deformable electronics
- 11:05 – 11:30** **Invited 11: Prof. Doh Chang Lee (KAIST)**
Photochemical conversion using semiconductor nanocrystals
- 11:30 – 11:55** **Invited 12: Prof. Dae Hyeong Kim (Seoul National University)**
Flexible, Foldable, and Stretchable QLEDs
- 11:55 – 12:10** **Closing Remark: Prof. Yeon Ho Im (Jeonbuk National University)**
- 12:10 – 14:00** **Lunch (Location : TBA)**

Excursion & Dinner

- 14:00 – 18:00** **Excursion**
- 18:00 –** **Division Meeting & Dinner**

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Saturday

Location : TBA

- 09:00 – 12:00** **Discussion Meeting**