

# ICSST 2023

## The 12<sup>th</sup> International Conference on Separation Science and Technology

Date: [Nov. 15<sup>th</sup> \(Wed.\) – 19<sup>th</sup> \(Sun.\), 2023](#)

Venue: [Okinawa Shichoson Jichi Kaikan, Okinawa, Japan](#)

Website: <https://icsst2023.sspej.org/>

### Organized by



- The Society of Separation Process Engineers (SSPEJ), Japan
- Division of Separation Technology, The Korea Institute of Chemical Engineer (KICChE), Korea

### Sessions

- **Abstract & Participant Information submission: Aug. 18, 2023**  
- 초록: ICSST23 공식홈페이지에서 직접 제출하셔야 합니다. (위에 링크)
  - New Separation Process & Materials for Energy & Environment
  - Thermodynamics / Transport Properties / Molecular Simulation
  - Crystallization / Precipitation
  - Distillation / Absorption / Adsorption
  - Membrane Separation / Fluid-solid Separation
  - Extraction / Supercritical Fluid Technology
  - New Separation Process & Materials
- 문의: Prof. Tae-Hyun Bae, KAIST ([thbae@kaist.ac.kr](mailto:thbae@kaist.ac.kr))  
Prof. Youngjune Park, GIST ([youngj@kaist.ac.kr](mailto:youngj@kaist.ac.kr))

### Registration (KOR)

- Registration: <https://icsst2023.sspej.org/registration/>  
- 등록: ICSST23 공식홈페이지에서 직접 등록하셔야 합니다. (위에 링크)
- Early registration: October 9, 2023

Category	Early	Late and On-site
Academia and Industry	55,000 JPY	60,000 JPY
KICChE Members	45,000 JPY	50,000 JPY
Students	20,000 JPY	25,000 JPY
Accompany Person	10,000 JPY	10,000 JPY

- Program A : Nov. 15<sup>th</sup>-19<sup>th</sup> / Program B: Nov. 15<sup>th</sup>-17<sup>th</sup>

## Tentative Conference Program

### ● Day 1 (Nov. 15<sup>th</sup> (Wed.), 2023)

- Arrival at Okinawa Naha Airport
- Registration
- Chairmen's Meeting
- Welcome Reception

### ● Day 2 (Nov. 16<sup>th</sup> (Thu.), 2023)

- Presentation
- Technical Luncheon (& Committee Meeting)
- Banquet

### ● Day 3 (Nov. 17<sup>th</sup> (Fri.), 2023)

- Presentations
- Closing Ceremony
- Departure from Okinawa (Program B)

### ● Day 4 (Nov. 18<sup>th</sup> (Sat.), 2023)

- Technical Tour of Chemical Plants in Japan (Program A)

### ● Day 5 (Nov. 19<sup>th</sup> (Sun.), 2023)

- Departure from Okinawa (Program A)

**Program A 참가비: 1,400,000원 (1인당)**

- 포함: 항공요금, 숙박, 식사\*, 교통, 여행 일체
- 영수증 발급: 항공요금, 호텔 숙박 (여행사에서 발급)
- 학회 등록비 불포함

\* 식사: 프로그램A의 경우, 조식(매일), 18일(여행) 중식, 석식은 여행사에서 제공, 나머지는 일본 학회에서 제공 (Welcome Reception (15일 석식), Technical Luncheon (16일 중식), Banquet (16일 석식))

## Conference Committee

<b>Conference Chairperson</b>	<b>Kwang-Bok YI</b> (Chungnam University)	<b>Hiroshi TAKIYAMA</b> (Tokyo Univ. Agri. & Tech. TUAT)
<b>Program Chairperson</b>	<b>Tae Hyun BAE</b> (KAIST) <b>Youngjune PARK</b> (GIST)	<b>Susumu NIL</b> (Kagoshima Univ.) <b>Masaki OKADA</b> (Nihon Univ.)
<b>Organizing Committee</b>	<b>Youn Yong LEE</b> (KIST) <b>Chul Soo LEE</b> (Korea Univ.) <b>Won Hi HONG</b> (KAIST) <b>Hwayong KIM</b> (Seoul Nat. Univ.) <b>Soon Haeng CHO</b> (KIER) <b>Sung Hyun KIM</b> (Korea Univ.) <b>Ki-Pung YOO</b> (Korea Univ.) <b>Hee MOON</b> (Chonnam Nat. Univ.) <b>Dea Ki CHOI</b> (KIST) <b>Sung-Tae KOH</b> (Dongyang Univ.) <b>Woo Sik KIM</b> (Kyung Hee Univ.) <b>Jong Nam KIM</b> (KIER) <b>Chang Ha LEE</b> (Yonsei Univ.) <b>Jeong Won Kang</b> (Korea University)	<b>Hideki MORI</b> (Nagoya Institute of Technology) <b>Katsumi TOCHIGI</b> (Nihon Univ.) <b>Masakuni MATSUOKA</b> (Tokyo Univ. Agri. & Tech. TUAT) <b>Kunio NAGAHAMA</b> (Tokyo Metropolitan Univ.) <b>Hiroshi YAGI</b> (HyChem Techno) <b>Hajime TAMON</b> (Kyoto Univ.) <b>Izumi HIRASAWA</b> (Waseda Univ.) <b>Hiroshi INOMATA</b> (Tohoku Univ.) <b>Hiroshi OOSHIMA</b> (Kansai Chem. Eng.) <b>Toshihiko HIAKI</b> (Nihon Univ.) <b>Motonobu GOTO</b> (Nagoya Univ.)
<b>Steering Committee</b>	<b>Minkyu KIM</b> (Yeungnam university) <b>Jaehoon KIM</b> (Sungkyunkwan Univ.) <b>Dae Woo KIM</b> (Yonsei University) <b>Yukwon JEON</b> (Yonsei University) <b>Chan Hyun LEE</b> (University of Ulsan) <b>Yun Ho AHN</b> (Soongsil University) <b>Jong Ho MOON</b> (Chungbuk Nat. Univ.)	<b>Masakazu MATSUMOTO</b> (Nihon Univ.) <b>Hisashi MINAKUCHI</b> (Univ. of The Ryukyus) <b>Hidenori OHASHI</b> (Tokyo Univ. Agri. & Tech. TUAT) <b>Hiroyuki MATSUDA</b> (Nihon Univ.) <b>Keishi SUGA</b> (Tohoku Univ.) <b>Kazuhiro MOCHIDZUKI</b> (Hiroshima Univ.) <b>Shuntaro AMARI</b> (Tokyo Univ. Agri. & Tech. TUAT) <b>Shiro MISAWA / Administrative Staff</b> (Kagaku Kogyousya Inc.)

## Session Organizers and Session Chairpersons

<b>A) Thermodynamics/Transport Properties/Molecular Simulation</b>		
Session Organizer	Hye Young SHIN (Chungnam Nat'l University) shinhy@cnu.ac.kr	Takeshi FURUYA (AIST) takeshi.furuya@aist.go.jp
Session Chairperson (1 or 2 person)	Minkyu KIM (Yeungnam University): Mk_kim@ynu.ac.kr	Hiroyuki MATSUDA (Nihon Univ.) matsuda.hiroyuki@nihon-u.ac.jp Yuya Hiraga (Tohoku Univ.) y.hiraga@tohoku.ac.jp
<b>B) Crystallization/Precipitation</b>		
Session Organizer	Bum Jun PARK (Kyounghee University) bjpark@khu.ac.kr	Kouji MAEDA (Univ. of Hyogo) maeda@eng.u-hyogo.ac.jp
Session Chairperson (1 or 2 person)	Yun-Ho AHN (Soongsil University) yhahn@ssu.ac.kr	Masakazu Matsumoto (Nihon Univ.) matsumoto.masakazu@nihon-u.ac.jp Tomomich HINO (Mitsubishi Chem.) hino.tomomichi.mr@m-chemical.co.jp
<b>C) Distillation/Absorption/ Adsorption</b>		
Session Organizer	Youn-Sang BAE (Yonsei University) mowbae@yonsei.ac.kr:	Tatsuya OSHIMA (Univ. of Miyazaki) oshimat@cc.miyazaki-u.ac.jp Keigo MATSUDA (Nagoya Univ.) matsuda@i.nagoya-u.ac.jp
Session Chairperson (1 or 2 person)	Kiwon EUM (Soongsil University) kiwon.eum@ssu.ac.kr	Kaoru OHE (Univ. of Miyazaki) okaoru@cc.miyazaki-u.ac.jp Masakazu SASAKI (TEC) masakazu.sasaki@toyo-eng.com
<b>D) Membrane Separation/Fluid-solid Separation</b>		
Session Organizer	Tae-Hyun BAE (KAIST): thbae@kaist.ac.kr	Keizo NAKAGAWA (Kobe Univ.) k.nakagawa@port.kobe-u.ac.jp Daisuke SAEKI (Shinshu Univ.) dsaeki@shinshu-u.ac.jp
Session Chairperson (1 or 2 person)	Dae Woo KIM (Yonsei University) <a href="mailto:audw1105@yonsei.ac.kr">audw1105@yonsei.ac.kr</a>	Kazuho NAKAMURA (Yokohama Nat'l Univ.) nakamura-kazuho-yt@ynu.ac.jp Mikihiro NOMURA (Shibaura Inst. Tech.) Lscathy@shibaura-it.ac.jp Tomohisa YOSHIOKA (Kobe Univ.) tom@opal.kobe-u.ac.jp

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<b>E) Extraction/Supercritical Fluid Technology</b>		
Session Organizer	Jaehoon KIM (Sungkyunkwan Univ.) jaehoonkim@skku.edu	Hidetaka KAWAKITA (Saga Univ.) kawakita@cc.saga-u.ac.jp
Session Chairperson (1 or 2 person)	Hongshik LEE (Korea Institute of Industrial Technology) leehongshik@kitech.re.kr  Tae Jun YOON (Chungnam National Univ.) tyoon@cnu.ac.kr	Hidetaka KAWAKITA (Saga Univ.) kawakita@cc.saga-u.ac.jp  Seiichiro YOSHIDA (Hokkaido Res. Org.) yoshida-seiichiro@hro.or.jp

<b>F) New Separation Process &amp; Materials</b>		
Session Organizer	Youngjune PARK (GIST) young@gist.ac.kr	Hiroshi UMAKOSHI (Osaka Univ.) Hiroshi.Umakoshi@cheng.es.osaka-u.ac.jp
Session Chairperson (1 or 2 person)	Yukwon JEON (Yonsei University) ykjeon@yonsei.ac.kr	Hiroshi UMAKOSHI (Osaka Univ.) Hiroshi.Umakoshi@cheng.es.osaka-u.ac.jp Toshinori SHIMANOCHI (Okayama Univ.) tshima@cc.okayama-u.ac.jp