

2024 KIChE Spring Meeting

한국화학공학회 2024년도 봄 총회 및 학술대회

미래를 혁신하는 화학공학

Chemical Engineering Innovating the Future

2024. 4. 24(Wed)~27(Sat)

ICC JEJU, Republic of Korea

Plenary Talks



| Prof. Y. Shirley Meng |
The University of Chicago

Designing better materials and
systems for future batteries



| Prof. Hongjie Dai |
Stanford University
The University of Hong Kong

Carbon based nanoscience



| Prof. Hideo Hosono |
Tokyo Institute of Technology

Exciting materials research leading
to science frontier and social
implementation



| CEO. Byung Suk Yoon |
SK Gas

A way to net zero

Special Symposiums/Programs

- Chem-Tech-Biz Symposium: 기후변화에 대응하는 Energy 및 Digital Transformation 기술의 상용화 사례
- InfoMat with KIChE: Energy Storage in Asia
- 포스코홀딩스 이차전지소재 심포지엄
- 제1회 반도체산업 기술교류 심포지엄
- K-배터리의 Core Value Chain의 현재와 미래 심포지엄
- 제1회 수소산업위원회 심포지엄

주최 한국화학공학회
THE KOREAN INSTITUTE OF CHEMICAL ENGINEERS

후원 LG화학 POSCO HOLDINGS GS칼텍스 Hanjin LOTTE CHEMICAL SK gas 국가기후기술정책센터 National Climate Technology Center JEJU CVB KCEST 한국화학기술산업진흥원

Symposium on Sustainable Solutions: Carbon Neutrality and Cutting-edge Energy Material Processing

Host: Division of Materials

ICC JEJU Room F(Samda Hall A) 2024. 4. 25.(Thu) 09:00~11:00, 15:00~17:40

Chair: Ji-Hyun Jang, UNIST

09:00	[Keynote Lecture] Green H ₂ production and CO ₂ reduction using powdered photocatalysts	Akihiko Kudo, Tokyo Univ. of Sci.
09:40	[Keynote Lecture] Interface- and defect-engineered 2D inorganic nanosheet-based nanohybrids	Seong-Ju Hwang, Yonsei Univ.
10:20	[Keynote Lecture] Atomic doping and surface adsorption promote intrinsic electrocatalytic activity	Hong Jin Fan, Nanyang Technol. Univ.

Chair: Ji-Hyun Jang, UNIST
Kyungmin Choi, Sookmyung Women's Univ.

15:00	[Keynote Lecture] Direct conversion of amine-CO ₂ adducts into solid sp ² -sp ³ crystalline nanocarbon via a combined electro-thermocatalytic pathway	Joongjai Panpranot, Chulalongkorn Univ.
15:40	[Keynote Lecture] Carbon mineralization for carbon neutral and circular economy	Youngjune Park, GIST
16:20	[Keynote Lecture] Electrocatalytic reduction of carbon dioxide over copper oxide based electrocatalysts with additives	Tsutomu Minegishi, Univ. of Tokyo
17:00	[Keynote Lecture] Design principles of selective CO ₂ reduction reaction in acids	Jihun Oh, KAIST

Keynote Lecture Speaker



Akihiko Kudo, Tokyo Univ. of Sci.
1988 PhD, Tokyo Inst. of Tech.
1988 Postdoc, U. Texas at Austin
Present Prof., Faculty of Sci., Tokyo Univ. of Sci.



Seong-Ju Hwang, Yonsei Univ.
2001 PhD, Chem., Univ. Bordeaux I
2019 Prof., Chem, Nanosci., Ewha Womans Univ.
Present Prof., Mater. Sci. Eng., Yonsei Univ.



Hong Jin Fan, Nanyang Technol. Univ.
2003 PhD, Physics, Natl Univ. of Singapore
2008 Assist. Prof., Phys. & Math. Sci., Nanyang Technol. Univ.
Present Prof., Phys. & Math. Sci., Nanyang Technol. Univ.



Joongjai Panpranot, Chulalongkorn Univ.
2002 PhD, Chem. Eng., Clemson Univ.
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CEO, CrystalLyte Co., Ltd.



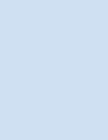
Youngjune Park, GIST
2009 PhD, Chem.&Biomol. Eng., KAIST
2012 Senior Researcher, SK Innovation R&D Center
Present Prof., Earth Sci. & Environ. Eng., GIST



Tsutomu Minegishi, The Univ. of Tokyo
2007 PhD, Appl. Phys., Tohoku Univ.
2013 Assoc. Prof., Chem. Sys. Eng., Univ. of Tokyo
Present Assoc. Prof., RCAST, The Univ. of Tokyo



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2013 Postdoc, Natl Renewable Energy Lab (NREL)
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Organizer/Chair



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