

Symposium on Emerging Catalytic Materials for Net-Zero Technologies

Host: Catalysis and Reaction Engineering Division

Busan BEXCO

2026. 10. 7.(Wed), 09:00~11:10

Chair: Do Heui Kim, Seoul Nat'l Univ.

- | | | |
|--|--|-----------------------------------|
| 09:00 | Design of heterogeneous catalysts for precise conversion of carbon-based small molecules | Ye Wang, Xiamen Univ. |
| 09:30 | Catalytic conversions of greenhouse gases to value-added chemicals and clean fuels | Jong Wook Bae, Sungkyunkwan Univ. |
| 09:50 | Direct CO ₂ hydrogenation into liquid fuels and high-value chemicals | Jian Sun, DICP |
| 10:10 | Coffee break | |
| Chair: Jong Wook Bae, Sungkyunkwan Univ. | | |
| 10:20 | Dehydroaromatization of light alkanes over advanced bifunctional catalysts | Do Heui Kim, Seoul Nat'l Univ. |
| 10:40 | Desorption agent assisted Fe-based catalyst for C1 chemistry | Xinhua Gao, Ningxia Univ. |

Invited Speaker



Ye Wang, Xiamen Univ.

1996 PhD, Tokyo Inst. of Tech.
2000 Res. Assoc., Tokyo Inst. of Tech, Tohoku Univ.
Present Prof., Chem. and Chem. Eng., Xiamen Univ.



Jian Sun, DICP

2015 PhD, Engineering, Univ. of Toyama
2019 Assoc. Res., Dalian Inst. of Chem. Phys.
Present Prof., Dalian Inst. of Chem. Phys.



Xinhua Gao, Ningxia Univ.

2017 PhD, Eng., Univ. of Toyama
2023 Postdoc, Ningxia Univ./Ningxia Coal Industry Co., Ltd., China Energy Investment Corp.
Present Prof., Mat. and Chem. Eng., Ningxia Univ.

Organizer/Chair/Speaker



Jong Wook Bae, Sungkyunkwan Univ.

2003 PhD, Chem. Eng., POSTECH
2006 Senior Researcher, LG Chem
Present Prof., Chem. Eng., Sungkyunkwan Univ.



Chair/Speaker

Do Heui Kim, Seoul Nat'l Univ.

2000 PhD, Chem. Eng., KAIST
2011 Senior Research Scientist, PNNL
Present Prof., Chem. & Bio. Eng., Seoul Nat'l Univ.