

KRICT 50th Anniversary Symposium: Current Status and Future Vision of CCU Technology

Host: KRICT Chemical Process Research Division, Global TOP Strategic Research Group

BUSAN BEXCO

2026. 10. 7.(Wed), 14:30~17:30

Chair: Yong Tae Kim, KRICT

14:30	Opening remark & 50th anniversary message	Seokmin Shin, KRICT
14:35	Overview of KRICT chemical process research division : Celebrating 50 years of research achievements	Ji Hoon Park, KRICT
14:50	Electrified CO ₂ conversion to fuels and chemicals	Yong Tae Kim, KRICT
15:05	Thermocatalytic and electrocatalytic conversion of CO ₂ into multi-carbon compounds	Ye Wang, Xiamen Univ.
15:40	Multiscale reaction engineering for scalable CO ₂ electrolysis under industrially relevant conditions	Jingjie Wu, Univ. of Cincinnati
16:15	Coffee break	

Chair: Yang Sik Yun, KRICT

16:30	CEM-based CO ₂ electrolysis	Hyung-Suk Oh, KIST
16:45	Microalgae-based circular bioeconomy for a sustainable future	Hee-Sik Kim, KRIBB
17:00	Research and development of electrified negative emission technologies: Joule heating-based direct air capture and electrochemical direct ocean capture	Young Cheol Park, KIER
17:15	Design and sustainability optimization of an integrated CO ₂ capture-based e-SAF production process	Kiwoong Kim, KRICT
17:30	Closing remarks	Sun Choi, KRICT

Invited Speaker



Ji Hoon Park, KRICT
2009 PhD, Chemistry, Seoul Natl. Univ.
2013 Research Prof., Inst. of Basic Sci., Sungkyunkwan Univ.
Present Director, Chemical Process Research Division, KRICT



Ye Wang, Xiamen Univ.
1996 PhD, Tokyo Inst. of Technology
2001 Assist. Prof., Hiroshima Univ.
Present Prof., Chem. Eng., Xiamen Univ.



Jingjie Wu, Univ. of Cincinnati
2014 PhD, Chem. Eng., Univ. of South Carolina
2017 Postdoc, Rice Univ.
Present Prof., Chem. & Envi. Eng., Univ. of Cincinnati



Hyung-Suk Oh, KIST
2012 PhD, Chem. & Bio. Eng., Yonsei Univ.
2017 Postdoc, Tech. Univ. of Berlin
Present Head, Clean Energy Research Center, KIST



Hee-Sik Kim, KRIBB
2000 PhD, Bio. Sci., NAIST, Japan
Present Prof. Biotech., UST Head, Cell Factory Research Center, KRIBB



Young Cheol Park, KIER
2007 PhD, KAIST
2007 Senior Researcher, KIER
Present Principal Researcher, KIER



Kiwoong Kim, KRICT
2015 PhD, Chem. & Bio. Eng., Sogang Univ.
Present Principal Researcher, KRICT

Organizer



Ki Baek Lee, KRICT
2017 PhD, Tech. Management, KAIST
2010 Researcher, Postal & Logistics Tech. Res. Dept., ETRI
Present Head, Carbon Neutrality Strategy Center, KRICT

Chair/Speaker



Yong Tae Kim, KRICT
2011 PhD, Chem. Eng., Ajou Univ.
2014 Postdoc, Univ. Wisconsin Head, Green Carbon Research Center, KRICT



Yang Sik Yun, KRICT
2017 PhD, Chem. & Bio. Eng., Seoul Nat. Univ.
2018 Postdoc, Univ. of Illinois Urbana-Champaign
Present Senior Researcher, KRICT

Chair