

Symposium on Korea-Japan Global Leadership in Rechargeable Batteries

Host: Battery Industry Committee, Energy and Environment Division

Sponsor: POSCO Holdings, POSCO Future M, KRICT K-Battery Innovation Consortium(K-BIC)

Busan BEXCO Summit Hall(205)

2026. 10. 8.(Thu), 13:30~16:20

Chair: Jun-Woo Park, KERI

13:30	[Keynote Lecture] Development of soft matter electrolytes for next-generation rechargeable batteries	Masayoshi Watanabe, Yokohama Nat'l Univ.
14:00	[Keynote Lecture] Beyond PEO: Monomer-in-salt electrolytes for low-pressure, low-cost, solid-state batteries	Sang-Young Lee, Yonsei Univ.
14:25	[Keynote Lecture] Molecular design and ion transport in lithium ionic liquid electrolytes for rechargeable batteries	Kazuhide Ueno, Yokohama Nat'l Univ.
14:50	Coffee break	
Chair: Seung-Ho Yu, Korea Univ.		
15:00	[Keynote Lecture] Interphase evolution in next-generation lithium metal batteries	Hee-Tak Kim, KAIST
15:25	[Keynote Lecture] Effects of ionic liquid cations on the electrochemical behavior of batteries	Jinkwang Hwang, Kyoto Univ.
15:50	[Keynote Lecture] Electrode design for high-energy and long-life lithium-metal batteries	Jungdon Suk, KRICT

Keynote Lecture Speaker



Masayoshi Watanabe, Yokohama Nat'l Univ.

1983 PhD, Waseda Univ.
1990 Postdoc, Univ. of North Carolina
Present Distinguished Prof., Yokohama Nat'l Univ.
Program Officer, JST ALCA-Next



Sang-Young Lee, Yonsei Univ.

1997 PhD, Chem. Eng., KAIST
2008 Principal Researcher, LG Chem
Present Prof., Chem. Biomol. Eng. / Battery Eng., Yonsei Univ.



Kazuhide Ueno, Yokohama Nat'l Univ.

2009 PhD, Yokohama Nat'l Univ.
2011 Postdoc, Arizona State Univ.
Present Prof., Yokohama Nat'l Univ.



Hee-Tak Kim, KAIST

1999 PhD, Chem. Eng., KAIST
2003 Researcher, Corporate R&D Center, Samsung SDI
Present Prof., Chem. & Biomol. Eng., KAIST



Jinkwang Hwang, Kyoto Univ.

2019 PhD, Kyoto Univ.
Present Assist. Prof., Kyoto Univ.



Jungdon Suk, KRICT

2011 PhD, Univ. of Texas at Austin
2012 Principal Researcher, LG Chem
Present Prof. Univ. of Sci. and Tech. (UST)
Principal Researcher, Korea Research Institute of Chemical Technology (KRICT)

Organizer



Jeongjin Hong, POSCO Holdings

1997 PhD, Chem. Eng., KAIST
2023 Vice President, Head of Technology Strategy Office, POSCO Future M
Present Head of Energy Materials R&D, N.E.X.T Hub Energy Materials Lab, Posco Holdings



Kwan Woo Nam, Ewha Womans Univ.

2016 PhD, Graduate of EEWS, KAIST
2018 Postdoc, Northwestern Univ.
Present Assist./Assoc. Prof., Chem. Eng. and Mat. Sci., Ewha Womans Univ.



Hee-Dae Lim, Hanyang Univ.

2016 PhD, Mat. Sci. and Eng., Seoul Nat'l Univ.
2023 Senior Research Scientist, Energy Storage Research Center, KIST
Present Assoc. Prof., Hanyang Univ.

Organizer/Chair



Jun-Woo Park, KERI

2013 PhD, Chem. Eng., Yokohama Nat'l Univ.
Present Prof., Univ. of Sci. and Tech. (UST)
Principal Researcher, Korea Electrotechnology Research Institute(KERI)



Seung-Ho Yu, Korea Univ.

2013 PhD, Chem. and Biol. Eng., Seoul Nat'l Univ.
2015 Postdoc, Cornell Univ.
Present Prof., Chem. and Biol. Eng., Korea Univ.