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NANO KOREA 2026

The 24th International Nanotech Conference

Innovation for Future: As Nano Meets AI

July 8(Wed.) – 10(Fri.), 2026

KINTEX Exhibition Hall 1, Korea

Hosted by Ministry of Science and ICT, Ministry of Trade, Industry and Resources

Organized by KoNTRS Korea Nanotechnology Research Society, KNTIA

TS12 Nanomaterials and Emerging Technologies for CCU (NET-CCU)

Theme

Nanomaterials and Nanotechnology for Carbon Capture and Utilization (CCU)

Carbon Capture and Utilization (CCU) offers a critical pathway for mitigating greenhouse gas emissions by transforming captured CO_2 into value-added chemicals and fuels. This session focuses on the pivotal role of nanotechnology in enabling this transition. We will explore the design and application of advanced nanomaterials-including novel sorbents and catalysts-engineered to enhance the efficiency, selectivity, and scalability of CO_2 capture and conversion. We invite you to join this discussion on the latest nanoscale innovations driving the future of carbon valorization and the circular economy.

Topics

- Carbon capture and utilization (CCU)
- Electrochemical CO_2 conversion
- CO_2 hydrogenation
- Electrocatalysts
- Catalyst Support
- Advanced thermal catalysts
- Reactor
- Electrolyzer
- Electrolyte

Important Dates

Abstract Submission Deadline	Notification of Acceptance	Presenter & Pre-Registration Deadline
Friday, March 27, 2026	**Friday, April 24, 2026**	**Friday, May 15, 2026**

Invited Speakers

- Bartu Karakurt (Paul Scherrer Institute)
- Geonhui Lee (Seoul Nat'l Univ.)
- Ruquan Ye (HKU)
- Seongmin Jin (KIST)
- Sung-Fu Hung (NYCU)
- Yuankai Li (NUC)
- Yuhang Wang (Soochow Univ.)
- Zhang Chundong (Nanjing Tech Univ.)

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Organizers

Conference Committee Chair	Baeho Park (Konkuk Univ.)
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Abstract Submission

http://nanokorea-conference.or.kr/2026/abstract.php

NANO KOREA 2026 Conference Secretariat

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