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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

TS08 Transformative Nanotechnology Solution for Hydrogen Energy and Energy Harvesting

Theme **Nanotechnology for the Generation, Storage, and Utilization of Green Hydrogen and for Energy Harvesting**

This session will spotlight the latest trends and research achievements in nanotechnology for innovative hydrogen energy solutions and energy harvesting. It will showcase a variety of technologies and applications that leverage nanomaterials and nanostructures to maximize the efficiency of hydrogen production, storage, energy conversion, and energy harvesting. Attendees will gain insights into methods for enhancing hydrogen production efficiency, storage stability, energy conversion effectiveness, and optimized energy harvesting. The session will also explore the transformative potential of nanotechnology in the hydrogen energy and energy harvesting industries, discussing strategies and challenges for advancing hydrogen fuel cells, establishing hydrogen infrastructure, enhancing energy harvesting techniques, and transitioning to sustainable energy systems.

Topics

- Nanomaterials for Hydrogen Production
- Nanostructures for Hydrogen Storage
- Energy Conversion through Nanotech
- Solar Cell Advances for Energy Harvesting
- Water Electrolysis and Electrode Interfaces for Green Hydrogen
- Catalysts, Electrodes, and MEA (Membrane Electrode Assembly) Development
- Polymers and Separator Plates for Hydrogen Systems
- Nanotech in Hydrogen Infrastructure
- Sustainable Energy Transitions via Nanotechnology
- Integrated Approaches in Hydrogen, Electrolysis, and Solar Harvesting
- Industrial Applications in Hydrogen and Solar Energy

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

- Albert Sung Soo Lee (KIST)
- Chulsung Bae (RPI)
- Lawrence Yoon Suk Lee (PolyU)
- Myoung Hwan Oh (KENTECH)
- Okkyun Seo (JASRI)
- Yu Chen (SCUT)

Committees

Chair	**Sung Jong Yoo (KIST)**	
Co-Chair	**Sang Hyun Ahn (Chung-Ang Univ.)**	
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	Chulsung Bae (RPI)	Jimun Yoo (Forschungszentrum Jülich)
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	Dong Young Chung (KAIST)	Jinsoo Kang (Seoul Nat'l Univ.)
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	Hyuntae Sohn (KIST)	Seung Soon Jang (Georgia Tech)
	Il-Kyu Park (SEOULTECH)	Yu Seung Kim (Los Alamos Nat'l Lab)

Organizers

Conference Committee Chair	Baeho Park (Konkuk Univ.)
Program Committee Chair	Seok Jae Lee (NNFC)
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Abstract Submission →

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