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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

TS11 Nanomaterials and Nanodevices for Digital Healthcare

Theme

Digital Healthcare Nanomaterials and Devices for In-Situ Monitoring and Medical Care

Future healthcare relies heavily on personalized, remote, and real-time diagnostic and therapeutic solutions. Accordingly, there's an increasing focus on diverse nanomaterials and devices designed for continuous health monitoring, whether through internal or external attachments or integrations. This session aims to share advancements in nanomaterials, photonic materials, biomaterials, and thin-film electronics, along with their associated processing and device applications. It also includes extended research covering their biocompatibility, functionality, and reliability for translation into the industry.

Topics

- Wearable and Skin-attachable Materials for Electronics and Displays
- Advanced Digital Healthcare Soft Devices and Soft Robotics
- Biodegradable, Resorbable and Sustainable Healthcare Materials
- Biohybrid Materials and Devices for Healthcare and Medical Treatment
- Printing and Addictive Manufacturing for Diagnosis Tools and Devices
- Unusual Biomaterials for self-healing, multifunctional responsiveness and breathability
- Hydrogel Materials for Soft Electronics and Ionic Devices

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

- Donghee Son (Yonsei Univ.)
- Hyungsoon Im (Massachusetts General Hospital, Harvard Medical School)
- Jia Liu (Harvard Univ.)
- Ki-Hun Jeong (KAIST)
- Qijun Sun (BINN, CAS)
- Sung-Gyu Park (KIMS)
- Sunghoon Kwon (Seoul Nat'l Univ.)
- Ying-Chih Lai (NCHU)
- Zhuo Li (Fudan Univ.)

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Abstract Submission →

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NANO KOREA 2026 Conference Secretariat

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