

Special Invited Session 22

Emerging Electromechanical Transduction and Multimode Sensing

Developing innovative electromechanical transduction is key to advancing next-generation MEMS/NEMS. Enhanced by better design, materials, fabrication, and AI, these systems are enabling progress in energy harvesting, sensing, health monitoring, human-machine interfaces, and soft robotics. They are making sensing systems smaller, smarter, more sensitive, and more efficient. This session highlights recent advances in the science and applications of new electromechanical transduction for energy harvesting and multimodal sensing.



Special Invited Session Chairs



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Paper Submission

For the initial submission, the authors can select one of the following two types:

- Type 1: full paper (4-6 pages)
- Type 2: extended abstract (2 pages)

*Note:

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- Step 1: Please select the track “**Special Invited Sessions**” and click “**Continue**.”
- Step 2: After filling in the basic paper information, please select the topic “**SIS22 – Emerging Electromechanical Transduction and Multimode Sensing**.”



Important Dates

Initial Submission (Full Paper or Extended Abstract)	Jan. 31, 2026
Notification of Acceptance	Feb. 10, 2026
Late-News Submission Deadline	Feb. 28, 2026
Early Registration Deadline	Mar. 10, 2026
Presentation-Only Submission Deadline	Mar. 10, 2026
Final Submission Deadline	Mar. 10, 2026

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