

Special Invited Session 08

Biomimetic Microelectromechanical Systems (MEMS) Technology

Biomimetics has become an important design methodology for the innovation of microelectromechanical systems in the past decade. The field has witnessed the emergence of biomimetic sensors, actuators, micro-robots, flexible electronics, and neuromorphic computation as areas gaining significant traction. Fundamental research on biological perception and motor systems serves as a vital driving force for progress in these areas. Therefore, this session focuses on the latest development and findings of biological and biomimetic microelectromechanical systems.

Special Invited Session Chairs



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2026 IEEE 21st International Conference on
Nano/Micro Engineered and Molecular Systems

April 17-21, 2026 Chengdu, China

Paper Submission

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

- Type 1: full paper (4-6 pages)
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- Step 2: After filling in the basic paper information, please select the topic “**SIS08 – Biomimetic Microelectromechanical Systems (MEMS) Technology**.”



Important Dates

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| Initial Submission (Full Paper or Extended Abstract) | Jan. 10, 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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