



1st Call for Paper

SAMCON2027 will provide a unique opportunity for engineers, researchers and academicians to discuss current developments and prospects on sensing, actuation, motion control, and optimization technology. High quality selected papers will be considered for publication in a focused issue of the IEEJ Journal of Industry Applications.

SAMCON2027

The 13th IEEJ International Workshop on Sensing, Actuation, Motion Control, and Optimization

March 16th - 18th, 2027,

Takayama City Cultural Hall, Takayama, Japan

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Important Dates (TBD)

Invited/Special Session Proposals:	Oct. 15, 2026, JST
Submission of Manuscripts(Oral) :	Nov. 17, 2026, JST
Submission of Manuscripts(Poster) :	Jan. 5, 2027, JST
Notification of Acceptance(Oral) :	Jan. 5, 2027, JST
Notification of Acceptance(Poster) :	Jan. 19, 2027, JST
Registration of JIA-to-SAMCON2027:	Jan. 30, 2027, JST
Final Submission of Manuscripts:	Jan. 30, 2027, JST
Deadline for Early Registration:	Jan. 30, 2027, JST

Technical Topics

Sensing

- Sensors and Advanced Sensing Techniques
- Signal Processing Techniques
- Diagnosis and Monitoring Techniques
- Vision System
- Sensor Fusion and Sensor Network

Actuation

- Actuators and Electrical Machines
- Advanced Actuation Techniques
- Motor Drive Techniques

Motion Control

- Advanced Control Theory
- High Precision Control
- Advanced Automotive Control
- Automation and Process Control
- Robotics and Mechatronics
- Haptics
- Network-based Control
- Biomechanical Control
- Medical and Welfare Applications
- Industrial Applications

Optimization

- Optimal Control
- Model Predictive Control
- Machine Learning
- AI/Deep Learning
- Optimization Benchmark Problems for Industrial Applications
- Diagnosing and Monitoring

And Other Related Topics

JIA-to-SAMCON2027

Authors of IEEJ Journal of Industry Applications (JIA) published papers (regular papers as well as Focused Section papers) from Vol. 15, Issue 3 (May 2026) to Vol.16, Issue 2 (March 2027) will have the option to present their papers at the SAMCON2027. This will provide a venue for the JIA authors to promote and highlight their publication to the international community. The detail information will be updated at SAMCON2027 website.



<http://www2.iee.or.jp/~diic/samcon/>

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