

# SAMCON2024

The 10<sup>th</sup> IEEJ International Workshop on  
Sensing, Actuation, Motion Control, and Optimization

March 2<sup>nd</sup> -4<sup>th</sup>, 2024,  
Kyoto Research Park, Kyoto, Japan

## Important Dates (Tentative)

Submission of Invited/Special Session Proposals:	<b>Nov. 3, 2023, JST</b>
Submission of Manuscripts(Oral) :	<b>Dec. 8, 2023, JST</b> <b>No further extension!</b>
Submission of Manuscripts(Poster) :	<b>Jan. 5, 2024, JST</b>
Notification of Acceptance :	<b>Jan. 19, 2024, JST</b>
Registration of JIA-to-SAMCON2024:	<b>Feb. 9, 2024, JST</b>
Final Submission of Manuscripts:	<b>Feb. 9, 2024, JST</b>
Deadline for Early Registration:	<b>Feb. 9, 2024, JST</b>

## 1<sup>st</sup> Call for Paper

SAMCON2024 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.

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## 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-SAMCON2024

Authors of IEEJ Journal of Industry Applications (JIA) published papers (regular papers as well as Focused Section papers) between Vol. 12, Issue 3 (May 2023) to Vol.13, Issue 2 (March 2024) will have the option to present their papers at the SAMCON2024. 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 SAMCON2024 website.



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

## Sponsors

- IEEJ Industry Applications Society,
- The Institute of Electrical Engineers of Japan



## Technical Co-sponsors

- The Society of Instrument and Control Engineers
- The Robotics Society of Japan

