

1st announcement

# SAMCON 2021

The 7<sup>th</sup> IEEJ International Workshop on Sensing, Actuation, Motion Control, and Optimization

March 10<sup>th</sup>–12<sup>th</sup>, 2021, The University of Tokyo, Chiba, Japan

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

## Call for Papers

The Industry Applications Society of the Institute of Electrical Engineers of Japan (IEEJ) is pleased to announce that the 7th IEEJ international workshop on Sensing, Actuation, Motion Control, and Optimization (SAMCON2021) will be held at The University of Tokyo, Chiba, Japan during March 10-12, 2021. SAMCON2021 will provide a unique opportunity for engineers, researchers and academicians to discuss current developments and future 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.

## 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

### Motion Control (cont'd)

- Automation and Process Control
- Robotics and Mechatronics
- Haptics
- Network-based Control
- Biomechanical Control, Medical and Welfare
- 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

## Important Dates (Tentative)

- Submission of Invited/Special Session Proposals: October 31, 2020
- Submission of Manuscripts (Oral): November 24, 2020
- Submission of Manuscripts (Poster): January 20, 2021
- Notification of Acceptance (Oral): January 14, 2021
- Notification of Acceptance (Poster): February 1, 2021
- Final Submission of Manuscripts: February 15, 2021
- Deadline for Early Registration: February 15, 2021

## Sponsor (Tentative)

IEEJ Industry Applications Society

## JIA-to-SAMCON2021

Authors of IEEJ Journal of Industry Applications (JIA) published papers (regular papers as well as Focused Section papers) between Vol. 9, Issue 3 (May 2020) to Vol.10, Issue 2 (March 2021) will have the option to present their papers at the SAMCON2021. 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 SAMCON2021 website.



GRADUATE SCHOOL OF FRONTIER SCIENCES  
THE UNIVERSITY OF TOKYO



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