

# SAMCON2022

The 8<sup>th</sup> IEEJ International Workshop on  
**Sensing, Actuation, Motion Control, and Optimization**  
March 8<sup>th</sup>-10<sup>th</sup>, 2022, Saitama University, Japan

## Committee Members

### Organizing Chairs

**Kiyoshi Ohishi**  
Nagaoka University of Technology  
**Yasutaka Fujimoto**  
Yokohama National University  
**Hiroshi Fujimoto**  
The University of Tokyo  
**Toshiaki Tsuji**  
Saitama University

### Liaison Officers

**Makoto Iwasaki**  
Nagoya Institute of Technology  
**Seiichiro Katsura**  
Keio University

### General Chairs

**Tomoyuki Shimono**  
Yokohama National University  
**Kenta Seki**  
Nagoya Institute of Technology  
**Shihua Li**  
Southeast University

### Technical Program Chairs

**Yutaka Uchimura**  
Shibaura Institute of Technology  
**Kenji Natori**  
Chiba University  
**Jing Na**  
Kunming University of Science  
and Technology

### Publication Chairs

**Hiroshi Igarashi**  
Tokyo Denki University  
**Kazuaki Ito**  
Gifu University

### Invited Session Chairs

**Toshimasa Miyazaki**  
Nagaoka University of Technology  
**Masahide Ito**  
Aichi Prefectural University

### Publicity Chairs

**Yuki Yokokura**  
Nagaoka University of Technology  
**Yoshihiro Maeda**  
Nagoya Institute of Technology

### Web Management Chairs

**Sho Sakaino**  
University of Tsukuba  
**Satoshi Suzuki**  
Information Services International-Dentsu

### Registration Chairs

**Tadanao Zanma**  
Chiba University  
**Naoki Motoi**  
Kobe University

### Treasure Chairs

**Takahiro Nozaki**  
Keio University  
**Shota Yabui**  
Tokyo City University

### Secretaries

**Daisuke Yashiro**  
Mie University  
**Yuki Nagatsu**  
Chuo University  
**Masato Koyama**  
Mie University  
**Wataru Ohnishi**  
The University of Tokyo  
**Sakahisa Nagai**  
The University of Tokyo

### Local Arrangement Chairs

**Toshiaki Tsuji**  
Saitama University  
**Kenta Nagano**  
National Institute of Technology,  
Tokyo College

## Call for Papers

The Industry Applications Society of the Institute of Electrical Engineers of Japan (IEEJ) is pleased to announce that the 8th IEEJ international workshop on Sensing, Actuation, Motion Control, and Optimization (SAMCON2022) will be held in Saitama, Japan during March 8th-10th, 2022. It 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 in 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

### Applications

- Diagnosing and Monitoring
- Industrial Applications

### 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

### Optimization

- Optimization Benchmark Problems for Industrial and Other Related Topics

## Important Dates (Tentative)

Submission of Invited/Special Session Proposals:

November 1, 2021

Submission of Manuscripts (Oral):

November 22, 2021

Submission of Manuscripts (Poster):

January 17, 2022

Notification of Acceptance (Oral):

January 13, 2022

Notification of Acceptance (Poster):

February 1, 2022

Final Submission of Manuscripts:

February 14, 2022

Deadline for Early Registration:

February 14, 2022

## Sponsor (Tentative)

IEEJ Industry Applications Society

## JIA-to-SAMCON2022

Authors of IEEJ Journal of Industry Applications (JIA) published papers (regular papers as well as Focused Section papers) between Vol. 10, Issue 3 (May 2021) to Vol. 11, Issue 2 (March 2022) will have the option to present their papers at the SAMCON2022. 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 SAMCON2022 website(<http://www2.iee.or.jp/~diic/samcon/>).

