

# SAMCON2023

## The 9<sup>th</sup> IEEJ International Workshop on Sensing, Actuation, Motion Control, and Optimization

March 24<sup>th</sup>-26<sup>th</sup>, 2023, Southeast University, China

The organizing committee is planning a **hybrid (on-line and on-site) conference style** in the current situation.

### 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  
Tomoyuki Shimono, Yokohama National University

#### Liaison Officers

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

#### General Chairs

Shihua Li, Southeast University  
Kenta Seki, Nagoya Institute of Technology  
Yutaka Uchimura, Shibaura Institute of Technology

#### Technical Program Chairs

Jing Na, Kunming University of Science and Technology  
Kenji Natori, Chiba University  
Hiroshi Igarashi, Tokyo Denki University

#### Publication Chairs

Kazuaki Ito, Gifu University  
Naoki Motoi, Kobe University

#### Invited /Special Session Chairs

Shihong Ding, Jiangsu University  
Masahide Ito, Aichi Prefectural University  
Sehoon Oh, Daegu Gyeongbuk Institute of Science and Technology  
Jinpeng Yu, Qingdao University

#### Publicity Chairs

Ning Sun, Nankai University  
Yoshihiro Maeda, Nagoya Institute of Technology

#### Web Management Chairs

Satoshi Suzuki, Information Services International-Dentsu  
Tadanao Zanma, Chiba University

#### Registration Chairs

Haibo Du, Hefei University of Technology  
Qiang Chen, Zhejiang University of Technology

#### Treasure Chairs

Xiangyu Wang, Southeast University  
Yingbo Huang, Kunming University of Science & Technology

#### Secretaries

Daisuke Yashiro, Mie University  
Masato Koyama, Mie University  
Yuki Nagatsu, National Institute of Technology, Gifu College  
Yoshiyuki Hatta, Gifu University

#### Local Arrangement Chairs

Zuo Wang, Southeast University  
Huimin Ouyang, Nanjing Tech University

#### Chinese Secretariat members

Zuo Wang, Southeast University  
Songlin Du, Southeast University  
Yongjian Wang, Southeast University  
Wenwu Zhu, Hefei University of Technology

#### Registration inquiries

Yongjian Wang, Southeast University  
Wenwu Zhu, Hefei University of Technology

### First Call for Papers

The Industry Applications Society of the Institute of Electrical Engineers of Japan (IEEJ) is pleased to announce that the 9<sup>th</sup> IEEJ international workshop on **Sensing, Actuation, Motion Control, and Optimization** (SAMCON2023) will be held in Nanjing, China during March 24<sup>th</sup>-26<sup>th</sup>, 2023. 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:	October 31, 2022
Submission of Manuscripts :	November 21, 2022
Registration of JIA-to-SAMCON2023:	February 13, 2023
Notification of Acceptance :	January 13, 2023
Final Submission of Manuscripts:	February 13, 2023
Deadline for Early Registration:	February 13, 2023

### Sponsor (Tentative)

Southeast University, Jiangsu Association of Automation, IEEJ Industry Applications Society, The Robotics Society of Japan, The Society of Instrument and Control Engineers,

### JIA-to-SAMCON2023

Authors of IEEJ Journal of Industry Applications (JIA) published papers (regular papers as well as Focused Section papers) between Vol. 11, Issue 3 (May 2022) to Vol.12, Issue 2 (March 2023) will have the option to present their papers at the SAMCON2023. 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 SAMCON2023 website (<http://www2.iee.or.jp/~diic/samcon/>).

