

The 5th IEEJ International Workshop on Sensing, Actuation, Motion Control, and Optimization

March 4-6, 2019, Chiba University, Chiba, Japan

Call for Papers

The Industry Applications Society of the Institute of Electrical Engineers of Japan (IEEJ) is pleased to announce that the 5th IEEJ international workshop on Sensing, Actuation, Motion Control, and Optimization (SAMCON2019) will be held at Chiba University, Chiba, Japan during March 4-6, 2019. SAMCON2019 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.

Committee Members

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Nagaoka University of Technology
Prof. Yasutaka Fujimoto,
Yokohama National University

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The University of Tokyo
Prof. Seiichiro Katsura, Keio University

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Nagoya Institute of Technology
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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

Motion Control (cont'd)

- 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

Plenary Speakers

Prof. Masayoshi Tomizuka (University of California, Berkeley, USA)
Prof. Atsuo Kawamura (Yokohama National University, Japan)
Prof. Jan Swevers (KU Leuven (Catholic University of Leuven), Belgium)
Prof. Shihua Li (Southeast University, China)

Important Dates

- Submission of Invited/Special Session Proposals: October 31, 2018
- Submission of Manuscripts (Oral): December 3, 2018
- Submission of Manuscripts (Poster): January 22, 2019
- Notification of Acceptance (Oral): January 15, 2019
- Notification of Acceptance (Poster): January 31, 2019
- Final Submission of Manuscripts: February 15, 2019
- Deadline for Early Registration: February 15, 2019

Sponsors (TBA) IEEJ Industry Applications Society, Chiba University