



The 4th IEEJ International Workshop on Sensing, Actuation, Motion Control, and Optimization

March 6th -8th , 2018, Tokyo Denki University, Tokyo, Japan

Call for Papers

The Industry Applications Society of the Institute of Electrical Engineers of Japan (IEEJ) is pleased to announce that the fourth IEEJ International Workshop on Sensing, Actuation, Motion Control, and Optimization (SAMCON2018) will be held in Tokyo Denki University, Tokyo, Japan during March 6-8, 2018. SAMCON2018 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.

Tokyo Denki University <http://www.dendai.ac.jp>

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Technical Topics (TBA)

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

And Other Related Topics

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

- Optimization Benchmark Problems for Industrial Applications
- Diagnosing and Monitoring

Plenary Sessions & Tutorials (TBA)

Plenary Speakers

- Prof. Valentin Ivanov, Technical University of Ilmenau
“Challenges of Integrated Vehicle Chassis Control: Some Findings of The European Project EVE”
- Prof. Georg Schitter, Vienna University of Technology (TU Wien)
“System Integration and Control of Mechatronic Imaging Systems”

Tutorial Speakers

- Prof. Hyungbo Shim, Seoul National University
- Prof. Michael Ruderman, University of Agder

Important Dates (TBA)

- Submission of Invited/Special Session Proposals: **October 31, 2017**
- Submission of Manuscripts (Oral): **December 4, 2017**
- Submission of Manuscripts (Poster): **January 4, 2018**
- Notification of Acceptance: **January 15, 2018**
- Final Submission of Manuscripts: **February 15, 2018**
- Deadline for Early Registration: **February 15, 2018**

Sponsors (TBA) IEEJ Industry Applications Society, Tokyo Denki Univ.

