SICE ANNUAL CONFERENCE

Mie University Tsu, Japan September 6 – 9, 2023



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Call for Papers

The SICE Annual Conference 2023, organized by the Society of Instrument and Control Engineers (SICE), will be held on September 6-9, 2023, at Mie University, Tsu, JAPAN.

The SICE Annual Conference 2023 is an international conference covering a broad range of fields from measurement and control to system analysis and design, from theory to application, and from software to hardware, and will provide an opportunity for both academic and industrial engineering practitioners in measurement and control fields to present their work and discuss their ideas.

The technical program of SICE 2023 will consist of plenary and invited talks, tutorial courses, and workshops, as well as oral and interactive sessions. Online participation as well as on-site participation is welcome.

Conference Venue

SICE 2023 will be held at Mie University, the only national university in Mie Prefecture. Mie University is located at center of Tsu city. It is easy to access from Nagoya Station by train and from Central Japan International Airport by fast ship (https://www.mie-u.ac.jp/en/about/map/).

Tsu city has easy access to Ise Jingu, Shima Kanko Hotel, Toba Aquarium, Suzuka Circuit, Iga-ryu Ninja Museum, Nagashima Spa Land etc.(http://www.travel.pref.mie.lg.jp/). Please enjoy the conference and sightseeing.

Important Dates (Deadline extended)

May 2, 2023:

Deadline of Proposal of Workshops and Tutorials May 2, 2023: Deadline of Proposal of Organized Sessions May 2, 2023: Deadline of Submission for Regular Papers and Position Papers Around Jun. 19, 2023: Notification of Paper Acceptance Around Jul. 10, 2023: Submission of Final Camera-ready Papers Aug. 21, 2023: Deadline of Presentation Video Submission

Paper Submission

The SICE Annual Conference 2023 accepts two types of submissions for review. Regular paper : Full papers (4-6 pages in conference format) must be submitted for review. The accepted papers will be submitted to the IEEE Xplore Digital Library. Normal length for the final manuscript of the regular paper is 6 pages. Papers exceeding 6 pages may be submitted upon payment of overlength page charges. A maximum of 2 extra pages over 6 pages are permitted. Position paper : Extended abstracts (2-4 pages in conference format) must be submitted for review. This category is provided for authors who want to present a timely review of research, a case study, and so on. This type of paper will NOT be included in the IEEE Xplore Digital Library. Both types of papers should be written in English, and will be included in the conference proceedings. The detailed submission policy is found on the conference web page.

Organized Session Submission

The goal of organized sessions is to provide focused discussions on a new topic or innovative applications of a new approach. Each session consists of 5-6 papers, which will be reviewed via the normal review process. Both regular and position papers can be included in a session. For session proposals, it is recommended to include a brief statement of the session focus, together with the submission of the individual papers. For further instruction, please visit the conference web page.

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Workshop and Tutorial

Proposals for workshops or tutorials that address technical topics related to control, automation, and systems in general are welcome. We encourage such programs that will attract industrial members, and programs with highly anticipated level of interest, impact, creativity and technical background of presenters. For details, please see the conference web page.

Technical Co-Sponsor (Tentative)

IEEE Control Systems Society (CSS), IEEE Robotics and Automation Society (RAS) IEEE Industrial Electronics Society (IES), Institute of Control, Robotics and Systems (ICROS), International Society of Automation (ISA), Technical Committee on Control Theory (TCCT), Chinese Association of Automation (CAA), Japan Electric Measuring Instruments Manufactures' Association (JEMIMA), Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI) Association, Control Society (CS)

In Association with (Tentative)

China Instrument and Control Society (CIS), Asian Control Association (ACA)

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Topics of the Conference

The conference will be focused on, but not limited to, the following topics:

Measurement

Sensors and Transducers Signal and/or Image Processing Identification and Estimation Opto-Electronic Measurement Remote Sensing Mass and Force Measurement Temperature Measurement Ultra-High Precision Measurement Analytical Measurement Standard of Measurement Flow Measurement and Control Networked Sensor System

System and Information

System Engineering Human-Machine Systems Intelligent Systems Autonomous Decentralized Systems Computational Intelligence Discrete Event Systems Social Systems Hypercomputes Molecular Robotics Relationality-Oriented Systems Science Smart Mobility Systems

Control

Multivariable Control Nonlinear Control Robust Control Adaptive and Optimal Control Intelligent Control Computer Aided Design Modeling, System Identification and Estimation Process Control Mechanical Systems Control Guidance and Flight Control Power Systems Control

Industrial Applications

Process Automation Factory Automation Laboratory Automation Information Management Systems SCADA and Network Systems Manufacturing Systems Transportation Systems Micro and Nano Devices Components and Devices System Integration Mechatronics Systems Robotic and Automation Systems Human Interfaces Virtual Reality Systems Entertainment Systems Medical and Welfare Systems Safety, Environment and Eco-Systems Agricultural and Bio-Systems Rescue Systems Simulation of Large Systems Network System Integration

Life Engineering

Integrative Biophysical Engineering and Informatics Biological and Physiological Engineering Electrophysiology and Kinesiology Ubiquitous Healthcare

Others