



SICE2022

SICE ANNUAL CONFERENCE

Kumamoto-Jo Hall
Kumamoto, Japan

September 6-9, 2022

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Call for Papers

The SICE Annual Conference 2022, organized by the Society of Instrument and Control Engineers (SICE), will be held on September 6-9, 2022, at Kumamoto-Jo Hall, Kumamoto, JAPAN. The SICE Annual Conference 2022 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 2022 will consist of plenary and invited talks, tutorial courses, and workshops, as well as oral and interactive sessions.

Conference Venue

SICE 2022 will be held at Kumamoto-Jo Hall, a biggest conference center in Kumamoto.

Kumamoto-Jo Hall is located at center of Kumamoto city. It is easy to access from Kumamoto Station by tram and from Kumamoto airport by limousine bus. Kumamoto-Jo Hall is a four-story facility comprising: the Exhibition Hall, the Civic Hall, 19 small to large conference rooms, which can also be interconnected to offer larger spaces, and the Main Hall, which is one of the largest halls in Kyushu area. During the Edo period, the Sakuramachi / Hanabata district in Kumamoto City, where the Kumamoto-Jo Hall is located, flourished as a castle town. Everyone can see and visit Kumamoto castle, a big and beautiful castle.

<https://www.kumamoto-jo-hall.jp/en/>

Important Dates

February 14, 2022 : Deadline of Proposal of Workshops and Tutorials

February 28, 2022 : Deadline of Proposal of Organized Sessions

March 20, 2022 : Deadline of Submission for Regular Papers and Position Papers

May 20, 2022 : Notification of Paper Acceptance

June 26, 2022 : Submission of Final Camera-ready Papers

Paper Submission

The SICE Annual Conference 2022 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.

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

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

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URL: <https://www.sice.jp/siceac/sice2022/>