

SICE2021

SICE ANNUAL CONFERENCE



September 8-10, 2021

Yotsuya Campus, Sophia University, Tokyo, Japan

www.sice.or.jp/sice2021/

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Call for Papers

The SICE Annual Conference 2021, organized by the Society of Instrument and Control Engineers (SICE), will be held September 8-10, 2021, at Yotsuya Campus, Sophia University, Tokyo, JAPAN. The SICE Annual Conference 2021 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. The technical program of SICE 2021 will consist of plenary and invited talks, tutorial courses, and workshops, as well as oral and interactive sessions.

Important Dates

February 14, 2021	Deadline of Proposal of Workshops and Tutorials
February 28, 2021	Deadline of Proposal of Organized Sessions
March 31, 2021	Deadline of Submission for Regular Papers and Position Papers
May 31, 2021	Notification of Paper Acceptance
June 30, 2021	Submission of Final Camera-ready Papers

Venue

Sophia University's Yotsuya Campus is located in the heart of Tokyo, the thriving capital of Japan. Located on the perimeter of the campus are the National Theater, the National Stadium, international conventions facilities, and the Akasaka Palace, where visiting royal Families and political leaders are accommodated. The National Diet Library, one of the nation's largest libraries, is also very close. The abundant greenery of the campus creates an atmosphere of peace and serenity which belies its location in the center of a bustling metropolis, and student life is further enhanced by a wealth of facilities for the enjoyment of music, drama, art, and sports.

https://www.sophia.ac.jp/eng/info/access/map/map_yotsuya.html

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 Manufacturers' 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)

Paper Submission

The SICE Annual Conference 2021 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.

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Tokyo, Japan

SICE60
The Society of Instrument and Control Engineers since 1961

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

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

System Integration
Mechatronics Systems
Robotics 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

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

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

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

Others