

SICE 2014

SICE Annual Conference
September 9 -12, 2014
Hokkaido University, Sapporo, Japan



<http://www.sice.or.jp/sice2014>

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Organizer and Sponsor:

The Society of Instrument

and Control Engineers (SICE)

Technical Co-Sponsors:

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)

Hokkaido University

Japan Electric Measuring Instruments

Manufacturers' Association (JEMIMA)

In Association with:

Asian Control Association (ACA)

Chinese Association of Automation (CAA)

Chinese Automatic Control Society

(CACS)

China Instrument and Control Society

(CIS)

IFAC NMO-Japan

International Measurement

Confederation (IMEKO)

2nd Call for Papers

The SICE Annual Conference 2014, organized by the Society of Instrument and Control Engineers (SICE), will be held Tuesday through Friday, September 9-12, 2014, at Hokkaido University, Sapporo, JAPAN. The SICE Annual Conference 2014 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 2014 will consist of plenary and invited talks, tutorial courses, and workshops, as well as oral and interactive sessions.

Paper Submission

The SICE Annual Conference 2014 accepts two types of submissions for review:

Regular paper: Full papers (6-8 pages in conference format) must be submitted for review. The accepted papers will be included in the IEEE Xplore Digital Library.

Position paper: Extended abstracts (2 pages in A4, 800-1000 words) must be submitted for review. Full papers (4-6 pages in conference format) will be required for final camera-ready submissions. 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. An extra charge will apply for every additional page for papers longer than 6 pages. The detailed submission policy is found on the conference web page.

SICE Journal of Control, Measurement, and System Integration (JCMSI) will publish a special issue entitled "the special issue on SICE Annual Conference 2014" in March 2015. Please see the details on the web site of JCMSI (<http://www.sice.or.jp/JCMSI/>).

Organized Sessions

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.

Workshops and Tutorials

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.

Important Dates

February 17, 2014:	Deadline of Proposal of Workshops and Tutorials
February 28, 2014:	Deadline of Proposal of Organized Sessions
March 17, 2014:	Deadline of Submission for Regular Papers and Position Papers
Early June, 2014:	Notification of Paper Acceptance
Late June, 2014:	Submission of Final Camera-ready Papers

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
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

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

Registration



Early Bird Registration (by July 31, 2014)

Full Member: JPY 35,000
Full Non-member: JPY 45,000
Student Member: JPY 10,000
Student Non-member: JPY 15,000

Late / On-site Registration

Full Member: JPY 45,000
Full Non-member: JPY 55,000
Student Member: JPY 15,000
Student Non-member: JPY 20,000

Full registration includes one banquet ticket. The maximum number of submissions allowed by each applicant depends on the type of registration. One full registration can cover up to two papers. For student registration, the limit is one paper. Additional paper charge is JPY 10,000. Member rates apply to members of SICE (incl. supporting members), IEEE, ICROS, ISA, CAA, CACS, and CIS.

Venue



Sapporo is the fifth-largest city in Japan by population, and the capital of Hokkaido, which is a northern Japanese island. Sapporo became world famous in 1972 when the Olympic Winter Games were held there. Today, the city is well known for the annual snow festival held in February. Sapporo has four distinct seasons, with a wide range of temperature between the summer and winter. Summers are generally warm but not humid, and winters cold and snowy.

Hokkaido University is one of the national universities of Japan. It is located in downtown Sapporo, just north of Sapporo Station, and stretching approximately 2.4 kilometers northward.

