SICE 2020

September 23-26, 2020
The Empress Chiang Mai Hotel and Empress Convention Center
Chiang Mai, Thailand

CALL FOR PAPERS
The Society of Instrument and Control Engineers (SICE) Annual Conference 2020

SICE 2020

The SICE Annual Conference 2020 (SICE 2020), organized by the Society of Instrument and Control Engineer (SICE) and the Electrical Engineering / Electronics, Computer, Telecommunications and Information Technology (ECTI) Association, will be held on September 23 - 26, 2020, in Chiang Mai, Thailand. The SICE Annual Conference 2020 is an international conference covering a broad range of fields from control theory and applications, mechatronics, industrial automation, transportation and communication, biological and medical systems, artificial intelligence, cyber-physical systems, smart grids, educational and social contributions. The technical program of SICE 2020 will consist of plenary and invited talks, tutorial courses, and workshops, as well as oral and interactive sessions.

Conference Venue

SICE 2020 will be held at The Empress Hotel and Convention Center, located at the heart of the city of Chiang Mai, Thailand. Chiang Mai is a Northern Thai city known for its rich history, Lanna culture, and numerous tourist attractions of great historical and religious significance. In walking distance to the hotel lie the iconic Night Bazaar Market and the Old City.

MAIN 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

Systems 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

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

Important Dates (Tentative)

Paper Submission Webpage Open
  : December 1 (Sunday), 2019
Proposal of Workshop and Tutorials
  : February 14 (Friday), 2020
Proposal of Organized Sessions
  : February 28 (Friday), 2020
Submission for Regular Papers and Position Papers
  : March 16 (Monday), 2020
Notification of Paper Acceptance
  : June 1 (Monday), 2020
Early registration
  : July 1 (Wednesday), 2020
Submission of Final Camera-ready Papers
  : July 1 (Wednesday), 2020

Technical co-sponsors (Tentative):

CSS IEEE CONTROL SYSTEMS SOCIETY
IEEE Robotics & Automation Society
ies
ICROS Institute of Control, Robotics and Systems
ISA
SCS
JEMIMA Japan Electric Measuring Instruments Manufacturers' Association
IEEE
ACDOS
IFAC INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL

In Association with (Tentative)

群馬大学 GUNMA UNIVERSITY
TNI
CIS 中国仪器仪表学会
CAA
TRS THAI ROBOTICS SOCIETY

Organizers:

SICE
ECTI Association
AiAT
ACA

Chiang Mai, Thailand
23 - 26 September 2020

Organized Sessions, Workshop and Tutorials

The goal of organized session is to provide focused discussions on a new topic or innovative applications of a new approach. Each session consists of 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. We also encourage proposals for workshops or tutorials that address technical topics with highly anticipated level of interest, impact, and creativity.

Student Travel Grant Award (STGA)

We (Annual Conference/International Affairs Committee) have set up this grant award in order to encourage students' contribution from abroad and to support part of their travel expenses to SICE 2020.

Paper Submission

The SICE Annual Conference 2020 accepts two types of submissions for review:

Regular paper: Full papers (6 pages in conference format) must be submitted for review. Accepted papers will be submitted for inclusion into **IEEE Xplore Digital Library** as well as other Abstracting and Indexing (A&I) databases. Normal length for the final manuscript of the regular paper is 6 pages. Paper exceeding 6 pages may be submitted upon payment of overlength page charges. A maximum of 2 extra pages above 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 papers 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.

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