

2nd CALL FOR PAPERS



SICE Annual Conference 2007

International Conference on Instrumentation, Control and Information Technology

September 17 (Mon.) - 20 (Thurs.), 2007 Kagawa University, Takamatsu, Kagawa, JAPAN

http://www.sice.or.jp/sice2007/

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control and information technology, will be held at Kagawa University, Takamatsu City, Kagawa, Japan on September 17-20, 2007. Takamatsu City, the capital of Kagawa Prefecture, is located in the northeast part of Shikoku, two and a half hours by super express train from Osaka, and one hour by airplane from Tokyo. The conference covers a wide range of fields from measurement and control to system analysis and design, from theory to application and from software to hardware. Newly developed interdisciplinary ideas and concepts transferable from one field to another are especially welcome. All submitted papers must be written and presented in English. Organized Sessions are welcome. Topics of the conference will cover but are not limited

The SICE Annual Conference 2007, an international conference on instrumentation,

■ 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 and Information

 ◆ Systems Theory and Engineering
- ◆Biological and Physiological Engineering
- ◆Intelligent Systems

- ◆Neural Networks
- ◆Autonomous Decentralized Systems
- ◆Discrete Event Systems
- stem 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

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
- Advanced Integration
- ◆Emergent Technologies
- ◆Fuzzy Systems ◆Educational Systems/E-Learning

Regular Paper Submission

Authors are invited to submit an extended abstract on 2 pages of A4, 800-1000 words in English. All extended abstracts must be submitted electronically through the SICE2007 homepage: http://www.sice.or.jp/sice2007/. Detailed instructions will be announced on the SICE2007 homepage.

Important Dates

Deadlines were extended as follows:

March 12, 2007 April 9, 2007 : Proposal of Organized Sessions

March 26, 2007 April 16, 2007 : Submission of Extended Abstracts

May 15, 2007 June 4, 2007: Notification of Paper Acceptance

June 9, 2007 June 25, 2007: Submission of Final Camera-ready Papers

Organized by The Society of Instrument and Control Engineers (SICE), Japan Supported by Kagawa University, Kagawa Prefecture, Takamatsu City

Technically Co-Sponsored by IEEE Industrial Electronics Society (IEEE/IES), IEEE Robotics and Automation Society (IEEE/RAS), IEEE Control Systems Society (IEEE/CSS), IEEE Systems, Man, and Cybernetics Society (IEEE/SMC), The Instrumentation, Systems, and Automation Society (ISA)

In Cooperation with The Institute of Control, Automation and Systems Engineers, Korea (ICASE), China Instrument and Control Society (CIS), The Chinese Association of Automation (CAA), Chinese Automatic Control Society (CACS), International Measurement Confederation (IMEKO), IEEE Japan Council, IFAC NMO-Japan, The Institute of Electrical Engineers of Japan (IEEJ)

Organized Session Submission

The goal of organized sessions is to provide focused discussions on a new topic or innovative applications of a new approach. Proposals for organized sessions should be submitted electronically by **April 9, 2007** through the SICE2007 homepage: http://www.sice.or.jp/sice2007/. Each session consists of five or so papers, which will be reviewed via the normal review process. The proposal should be submitted by the session organizer electronically, and include a brief statement of the focus of the session, together with information such as affiliations of all constituents. Submitting instructions will be posted on the SICE2007 homepage. For all information concerning OS submission, please send an email to:

Prof. Fumitoshi Matsuno (Univ. of Electro-Commu., Japan) Phone: +81-424-43-5403 E-mail: matsuno@mce.uec.ac.jp

Workshops and Tutorials

Requirements for Proposals

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.

Submission

Proposals must arrive at the address below through e-mail. Submitting instructions will be posted on the SICE2007 homepage.

Prof. Hidenori Ishihara (Kagawa Univ., Japan)

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Laboratory Tour on Sep. 21

A laboratory tour will be held on Sep. 21, 2007, after the SICE2007 conference. In the morning, mechatronics and nano-technology research of Kagawa University will be introduced. The laboratory tour will visit the faculty of engineering at Kagawa University and nano-device center in FROM KAGAWA incubation center. For lunch, tour members will visit a famous "SANUKI-UDON" restaurant. SANUKI is the old name of Kagawa Prefecture, and UDON noodle is one of the most famous dishes in Kagawa. After lunch, the tour will visit RITSURIN Park and one of the 88 SHIKOKU PILGRIM TEMPLES. RITSURIN Park is one of the most beautiful Japanese Gardens.

Venue-Takamatsu-Kagawa

Takamatsu is a nice mid-sized old city in Japan, with a population of 350,000. There are many sightseeing spots. RITSURIN Park is one of the most beautiful Japanese gardens in Japan. Tamamo Castle and Park is also a nice spot to visit. You can feel the old Japanese fighter, SAMURAI, life in the park. Yashima, a special shaped old volcano mountain, is a historical place where a famous battle was held 800 years ago. From the top of Yashima, you get a beautiful view of the SETO inland sea.

Also in Kagawa Prefecture, there are many nice sightseeing places. Kotohira (Konpirasan) is a famous shrine to worship the god for the safety of ships. There are many temples in Kagawa. Some of them were established by a famous Buddhist, KOBODAISHI, and are known as "The 88 temples on Shikoku Island". "The 88 temples on Shikoku Island" is a chain of temples for Buddhism pilgrims. The most famous temple among the 88 temples is "ZENTSUJI", where KOBODAISHI were born in 774 A.D.

KAGAWA is also famous for delicious food. A Japanese noodle dish, "SANUKI UDON", is very famous all over Japan. Since Kagawa faces the SETO inland sea, fresh fish dishes are also great. There are many kinds of fish, and many restaurants where fresh fish is served. You can sample an array of traditional Japanese food in Takamatsu.

Family Program

For your accompanying persons, family programs will also be available. The program will allow them to visit several nice sightseeing places in Kagawa, i.e. RITSURIN Park, KOTOHIRA, SETO-OHASHI-BRIDGE, etc. Details will appear on the SICE2007 home page.

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