

SICE Annual Conference 2008

International Conference on Instrumentation, Control and Information Technology

August 20(Wed.)-22(Fri.), 2008

The University of Electro-Communications, Chofu, Tokyo, JAPAN

<http://www.sice.or.jp/sice2008/>

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The SICE Annual Conference 2008, an international conference on instrumentation, control and information technology, will take place in Chofu, Tokyo, Japan in 2008. This 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. The official language of the conference is English. Novel interdisciplinary challenges transferable between plural fields are especially welcome. The conference will be focused on, but not limited to, the following topics:

■ Measurement

- Signal and/or Image Processing
- Opto-Electronic Measurement
- Remote Sensing
- Mass and Force Measurement
- Temperature Measurement
- Ultra-High Precision Measurement
- Networked Sensor System

■ Control

- Multivariable control
- Nonlinear Control
- Robust Control
- Adaptive and Optimal Control
- Intelligent Control
- Modeling, System Identification and Estimation

■ System and Information

- Systems Theory and Engineering
- Biological and Physiological Engineering
- Intelligent Systems
- Neural Networks and Computational Intelligence
- Autonomous Decentralized Systems
- Discrete Event Systems
- Man-Machine Systems

■ System Integration

- Robotics and Mechatronics Systems
- Human Interfaces
- Network and Virtual Reality Systems
- Entertainment Systems
- Medical and Welfare Systems
- Safety, Environment and Eco-Systems
- Agricultural and Bio-Systems
- Rescue Systems

■ Industrial Applications

- Industrial Automation Systems
- Information Management Systems
- Industrial Network Systems
- Macro and Nano Devices
- Components and Devices

■ Advanced Integration

- Emergent Technologies
- Educational Systems/E-Learning
- Fuzzy Systems

■ Others

● Location and Venue

The conference activities will all be taking place in the University of Electro-Communications, Chofu City, Tokyo, Japan. Chofu City is located in the west part of Tokyo, 45 minutes by a rapid train from Tokyo Terminal Station, 2 hours by a super express train from Narita Airport. From its convenient location, there are a lot of institutes that represent Japan as JAXA etc. Chofu is also a historical city with many sightseeing spots as JINDAIJI, an old temple. Chofu offers you a perfect location for a great experience of Japanese institutes and a relaxing stroll in downtown before or after your congress day.

● Important Dates

February 11, 2008 : Proposal of Organized Sessions

February 25, 2008 : Submission of Extended Abstracts for Regular Papers

April 25, 2008 : Notification of Paper Acceptance

May 16, 2008 : Submission of Final Camera-ready Papers

May 16, 2008 : Proposal of Workshops and Tutorials

● Regular Paper Submission

Prospective authors are invited to submit an extended abstract on 2 pages of A4, 800-1000 words in English. For further information, please visit the SICE2008 conference website at <http://www.sice.or.jp/sice2008/> or contact the program committee (E-mail: sice2008-prog@hi.mce.uec.ac.jp). It is recommended that your draft paper includes **paper title, names of all authors, affiliations, postal mails, email addresses** and phone/fax numbers.

Organized by The Society of Instrument and Control Engineers (SICE), Japan
Supported by Chofu City, The Univ. of Electro-Communications, Japan
(Tentative) Technically Co-Sponsored by IEEE Industrial Electronics Society, IEEE Robotics and Automation Society, IEEE Control Systems Society, IEEE Systems, Man & Cybernetics, The Instrumentation, Systems and Automation Society (ISA), Institute of Control, Robotics and Systems(ICROS).
(Tentative) In association with China Instrument and Control Society (CIS), Chinese Association of Automation (CAA), Chinese Automatic Control Society (CACS), International Measurement Confederation (IMEKO), IEEE Japan Council, IFAC NMO-Japan



● Organized Session Submission

Proposals of organized session are welcome. The goal of organized sessions is to provide focused discussions on a new topic and innovative applications of a new approach. Each session consists of 5-6 papers which will be reviewed via normal review process. The session organizer should submit the proposal electronically by **February 11, 2008**. The proposal is recommended to include a brief statement of the session focus, together with the extended abstract of individual papers submitted. For further instruction, please visit the conference website, or send an e-mail to:

Prof. Hiromitsu Ohmori (Keio Univ., Japan) E-mail: ohm@sd.keio.ac.jp

● Workshops and Tutorials

Proposals of workshops or tutorials that address the 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, creatively and technical background of presenters. Proposals should be submitted to the following e-mail address by **May 16, 2008**. Submitting instructions will appear on the SICE2008 webpage.

A. Prof. Hiroki Takahashi (UEC, Japan) E-mail: rocky@hc.uec.ac.jp

● Laboratory Tour

Pre/post-conference technical tours will be held on Aug. 19(Tue) and 23(Sat). The pre-conference technical tour will start from afternoon and visit national research institutes near the conference venue including JAXA (Japan aerospace exploration agency). The post-conference technical tour will be open laboratories of University of Electro-Communications, the conference venue. Number of participants may be limited in pre-conference tour.

● Student Support Program

SICE will provide a Student Travel Grant Award and SICE International Scholarship which are to help those foreign researchers who are young and come to Japan to present their papers.

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