



1st CALL FOR PAPERS



SICE - ICASE International Joint Conference 2006 (SICE - ICCAS 2006)

October 18(Wed.)-21(Sat.), 2006

BEXCO(Busan Exhibition & Convention Center), Busan, KOREA

<http://sice-iccas.org/>

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SICE - ICASE International Joint Conference 2006 will be held at the BEXCO (Busan Exhibition & Convention Center, [http:// www.bexco.co.kr](http://www.bexco.co.kr)) in Busan, Korea on October 18-21, 2006.

SICE - ICASE International Joint Conference 2006 will bring together researchers, engineers and practitioners to present the latest accomplishments, innovations and potential future directions in instrumentation, control, automation, information technology, systems, and their applications. All the submitted papers must be written and presented in English. Organized Sessions (Special Sessions) are welcome. Five or six papers should be submitted together for an organized session. Papers are invited on all aspects of innovative theory and applications of instrumentation, control, automation, and information technology. **Topics** include but are not limited to

■ Control Theory and Applications

- ◆ Linear/Nonlinear Control
- ◆ Adaptive/Robust Control
- ◆ Identification and Estimation

■ Control Devices and Instruments

- ◆ Power Electronics
- ◆ Hydraulic/Pneumatic Systems
- ◆ MEMS and Nano Technology

■ Sensors and Signal Processing

- ◆ Sensors and Instrumentation
- ◆ Signal Processing
- ◆ Fault Diagnosis

■ Intelligent Systems

- ◆ Artificial Neural Networks
- ◆ Fuzzy Systems
- ◆ Intelligent Control

■ Information and Networking

- ◆ Real-Time Systems
- ◆ Embedded Systems
- ◆ Network-based Control Systems

■ Manufacturing Systems and Automation

- ◆ Modeling and Simulations
- ◆ Factory Automation and CIM
- ◆ Automation Network

■ Others

■ Process Systems

- ◆ Process Control and Monitoring
- ◆ Process Design and Optimization
- ◆ Process Automation

■ Industrial Applications

- ◆ Automotive Systems
- ◆ Power Systems
- ◆ Communication Systems

■ Navigation, Guidance and Control

- ◆ Navigation Algorithms
- ◆ Guidance Technologies
- ◆ GPS

■ Multimedia Systems

- ◆ Database
- ◆ Data Fusion
- ◆ Computer Animation

■ Robotics and Applications

- ◆ Robotic Systems and Control
- ◆ Robot Vision
- ◆ Virtual Reality

■ Biomedical Engineering Systems

- ◆ Biomedical Instrumentation
- ◆ Biomedical Signal Processing
- ◆ Bio-Systems and Control

Regular Paper Submission

Authors are invited to submit an extended summary of 500-1000 words to <http://sice-iccas.org/>. If authors have problems in submission through the homepage, please feel free to contact the secretariat.

Hyun Chang Yang(ICASE, Korea)	Masami Namiki(SICE, Japan)	Kang-Bak Park(Korea Univ., Korea)
TEL:+82-32-234-5801	TEL:+81-3-3814-4121	TEL:+82-41-860-1445
FAX:+82-32-234-5807	FAX:+81-3-3814-4699	FAX:+82-41-865-1820
E-mail:icase@icase.or.kr	E-mail:mnami@sice.or.jp	E-mail:kbpark@korea.ac.kr

The extended abstract should include **authors' names, addresses, affiliations, names of presenters, postal mails and E-mail addresses** of corresponding authors, and phone / facsimile numbers. **Important dates** are as follows:

April 30, 2006	: Submission of extended abstracts and organized sessions
May 30, 2006	: Notification of paper acceptance
July 30, 2006	: Submission of final camera-ready papers

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The Society of Instrument and Control Engineers (SICE), Japan
The Institute of Control, Automation and Systems Engineers (ICASE), Korea

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