

International Conference on Control, Automation and Systems 2008 (ICCAS 2008)

October 14(Tue.)-17(Fri.), 2008

COEX (Convention & Exhibition), Seoul, KOREA

<http://iccas.org/>

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ICCAS 2008 will be held at the COEX (Convention & Exhibition, <http://www.coex.co.kr/>) in Seoul, Korea on October 14-17, 2008.

ICCAS 2008 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. Organized Sessions are welcome. Five or six papers should be submitted 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 Theories

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

■ Intelligent Control

- ◆ Artificial Neural Networks
- ◆ Fuzzy Systems

■ Industrial Applications of Control

- ◆ Automotive Systems
- ◆ Power Systems
- ◆ Communication Systems
- ◆ Manufacturing Systems and Automation

■ Sensors and Signal Processing

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

■ Control Devices and Instruments

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

■ Robot Control

- ◆ Kinematics and Dynamics of Robots
- ◆ Manipulation and Motion Planning
- ◆ Mobile Robots and Navigation

■ Robot Vision

- ◆ Robot Vision and Visual Servo
- ◆ Object/Human Visual Recognition

■ Human-Robot Interface

- ◆ Human-Robot Interaction
- ◆ Speech Recognition
- ◆ Haptics and Virtual Presence
- ◆ Virtual-Reality-Based Simulation

■ Robot Applications

- ◆ Biorobotics and Medical Robots
- ◆ Service and Field Robots
- ◆ Humanoid Robots

■ Unmanned Vehicle Systems

- ◆ Unmanned Aerial Vehicles
- ◆ Unmanned Ground Vehicles
- ◆ Unmanned Underwater Vehicles

■ Navigation, Guidance and Control

- ◆ Navigation Algorithms
- ◆ Guidance Technologies
- ◆ GPS

■ Process Systems

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

■ Biomedical Systems

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

■ Information and Networking

- ◆ Real-Time and Embedded Systems
- ◆ Network-Based Control Systems
- ◆ Networked/Ambient Intelligence

■ Multimedia Systems

- ◆ Database and Data Fusion
- ◆ Computer Animation

■ Civil and Urban Systems

- ◆ Environmental Engineering
- ◆ Structural Control and Health Monitoring
- ◆ Smart Structures

Paper Submission

Authors are invited to submit an extended summary on 2 pages to <http://iccas.org/>. Accepted papers will be published in an ICCAS2008 proceeding that will be included in **IEEE xplore**. If authors have problems in submission through the homepage, please feel free to contact the secretariat.

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Important dates are as follows:

April	30, 2008	: (Extended!!) Submission of organized session proposal
May	15, 2008	: (Extended!!) Submission of extended abstracts
June	2008	: Notification of paper acceptance
August	11, 2008	: (Extended!!) Submission of final camera-ready papers

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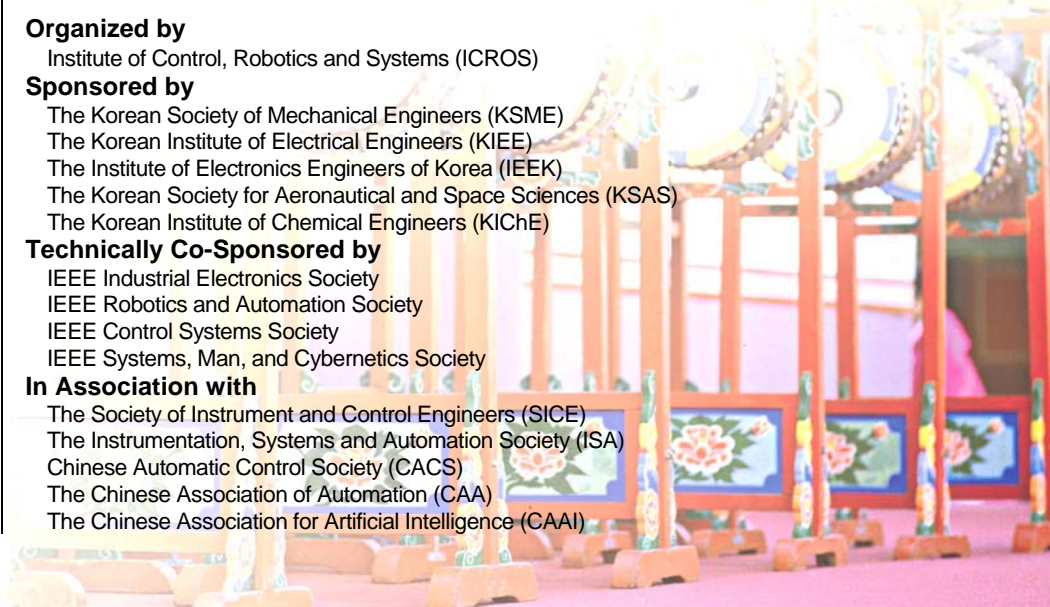
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The Chinese Association for Artificial Intelligence (CAAI)



Organized Sessions

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 by **April 15** to the Organized Sessions Co-Chairs below. Each Organized Session consists of five or six papers, which will be reviewed via the normal review process. In case an invited paper is not accepted, it will be replaced by a relevant paper. The proposal should be submitted by the session organizer, and include a brief statement of the focus of the session, along with the authors' names and titles of individual papers submitted.

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Workshops and Tutorials

Requirements for Proposals

Proposals for 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, creativity and technical background of presenters.

Submission

Proposals following the format above must arrive at the address below through e-mail by **May 15, 2008**.

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