

2011 11th International Conference on Control, Automation and Systems (ICCAS 2011)

October 26(Wed.)-29(Sat.), 2011
KINTEX, Gyeonggi-do, KOREA

<http://iccas.org/>

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ICCAS 2011 will be held at the KINTEX (<http://www.kintex.com>), Gyeonggi-do, Korea on October 26-29, 2011 together with Robot World 2011. **ICCAS 2011** will bring together researchers, engineers and practitioners to present the latest accomplishments, innovations and potential future directions in control, robotics, information technology, systems, and their applications. **Topics** of the conference include but are not limited to

■ Control Theory and Applications

- ♦ 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 Servoing
- ♦ Object/Human Visual Recognition

■ Human-Robot Interaction

- ♦ Human-Robot Interaction
- ♦ Speech Recognition
- ♦ Haptics and Virtual Presence
- ♦ Virtual Reality based Simulation

■ Robotic 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 full papers to <http://iccas.org>. Accepted papers will be published in the ICCAS 2011 proceedings that will be included in **IEEE Xplore** and **EI compendex**. If authors have problems in submission through the homepage, please feel free to contact the secretariat.

TEL: +82-32-234-5801 / FAX: +82-32-234-5807

E-mail: conference@icros.org

Important dates

April	29, 2011	: Submission of organized session proposal
May	9, 2011	: Submission of papers
June	30, 2011	: Notification of paper acceptance
August	8, 2011	: Submission of final camera-ready papers (Extended!!)
July	29, 2011	: Submission of workshops and tutorials proposal

Organized by

Institute of Control, Robotics and Systems (ICROS)

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