

# ICCAS 2013

2013 13th International Conference on Control, Automation and Systems

October 20(Sun.)-23(Wed.), 2013

Kimdaejung Convention Center, Gwangju, Korea

<http://2013.iccas.org>

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ICCAS 2013 will be held on October 20-23, 2013 at Kimdaejung Convention Center, Gwangju (www.kdjcenter.or.kr), Korea. The aim of ICCAS 2013 is to bring together professors, researchers, engineers and students worldwide to present their recent works and discuss the state-of-the-art technologies related to control, automation, robotics and systems. **Topics** of the conference 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 Technologies

### 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

### Intelligent Systems

- Artificial Neural Networks
- Fuzzy Systems

### Robot Mechanism and 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
- Automations

### 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

You are cordially invited to submit full papers (3 to 6 pages) to <http://2013.iccas.org>. Paper template file can be downloaded from the website. Accepted papers will be published in the ICCAS 2013 Proceedings that will be indexed in **IEEE Xplore**, **SCOPUS** and **EI compendex**, and will be submitted for indexing in Thomson Reuters **Conference Proceedings Citation Index (ISI Web of Science)**.

If authors have any questions, please feel free to contact the secretariat.

E-mail: [conference@icross.org](mailto:conference@icross.org), Tel: +82-32-234-5801(Ext.3)

## Important Dates

<b>April</b>	<b>12, 2013</b>	: <b>Submission of organized session proposals</b>
<b>April</b>	<b>30, 2013</b>	: <b>Submission of full papers</b>
<b>June</b>	<b>14, 2013</b>	: <b>Notification of paper acceptance</b>
<b>July</b>	<b>19, 2013</b>	: <b>Submission of final camera-ready papers (Extended)</b>



## Organized by

Institute of Control, Robotics and Systems (ICROS)

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### About Gwangju

Gwangju is the leading city of the Honam region, which is being sought for its cutting-edge industry and culture, and a core middle city leading the development of the southwestern region. Gwangju has been well known for the best Korean traditional cuisine, Korean traditional music (Pansori) and outstanding beauty of nature.

Gwangju hosts the Gwangju Biennale and the Design Biennale, which are international festivals of modern art and design, transforming itself as a cultural hub of Asia.

