

ICCAS 2014

2nd CALL FOR PAPERS

2014 14th International Conference on Control, Automation and Systems

ICCAS 2014 will be held at KINTEX, Korea on October 22-25, 2014 jointly with Robot World 2014. The aim of the ICCAS is to bring together researchers and engineers worldwide to present their latest works, and disseminate the state-of-the-art technologies related to control, automation, robotics, and systems.

The conference program will include Technical Workshops & Tutorials on Tuesday, October 21. The workshops and tutorials of this year will be specially interesting to those who want to learn about the latest trends and subjects.

October 22(Wed.)-25(Sat.), 2014 **KINTEX, Gyeonggi-do, Korea** <http://2014.iccas.org>

Paper Submission

You are cordially invited to submit full papers (3 to 6 pages) to <http://2014.iccas.org>. Paper template file can be downloaded from the website. Accepted papers will be published in the ICCAS 2014 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).

Important Dates

- April 4, 2014** : Submission of organized session proposals
- April 18, 2014** : Submission of full papers
- June 20, 2014** : Notification of paper acceptance
- July 18, 2014** : Submission of final camera-ready papers

Plenary Speakers



Frank Allgöwer
Univ. of Stuttgart
Germany



Harry Asada
MIT
USA



Lei Guo
Chinese Academy of
Sciences, China



Homayoon Kazerooni
UC Berkeley
USA



Min-Jea Tahk
KAIST
Korea



Yutaka Yamamoto
Kyoto University
Japan



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Ki-Sup Lee (President of ICROS, Korea)

Organizing Chair
Doo Yong Lee (KAIST, Korea)

Program Chair
Hyungbo Shim (Seoul Natl. Univ., Korea)

International Relation Chair
Songhwa Oh (Seoul Natl. Univ., Korea)

Organized Session Chair
Kyung-Soo Kim (KAIST, Korea)

Finance Chair
Euntai Kim (Yonsei Univ., Korea)

Workshops & Tutorials Chair
Chan Gook Park
(Seoul Natl. Univ., Korea)

Publication Chair
Kyoungchul Kong
(Sogang Univ., Korea)

Exhibition Chair
Tae-Hyoung Kim (Chung-Ang Univ., Korea)

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Hyung Keun Lee (Korea Aerospace Univ., Korea)

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ICCRAS 2014

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

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Special Sessions Provided by KEIT (Korea Evaluation Institute of Industrial Technology)

Three successful selective cases of robot-related R&D projects funded by the Korean Government will be presented together with the robot R&D roadmap.

