

# 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

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 El 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

**2014 (Extended)** : Submission of full papers

: Notification of paper acceptance July 11, 2014

August 11, 2014 : Submission of final camera-ready papers



Plenary Speakers



Frank Allgöwer Univ. of Stuttgart Germany



Harry Asada LISA



Lei Guo Chinese Academy of Sciences, China



Homayoon Kazerooni



Min-Jea Tahk



Yutaka Yamamoto



General Chair Ki-Sub Lee (President of ICROS, Korea)

Doo Yong Lee (KAIST, Korea)

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

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

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

Euntai Kim (Yonsei Univ., Korea)

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

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

Young 11 Lee (Seoul Tech, Korea) Hyung Keun Lee (Korea Aerospace Univ., Korea)

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Ching-Chih Tsai (CACS, Taiwan)
Sangchul Won (ACA, Korea)

Youngin Shin (ICROS, Korea)





### 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

Shuichi Nishio (ATR, Japan)

Environmental Engineering Structural Control and Health Monitoring **Smart Structures** 

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Yoshiyuki Yamashita (TUAT, Japan)

Hyun Joong Yoon (Catholic Univ. of Daegu, Korea)

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. NHES Organized by Institute of Control, Robotics and Systems (ICROS)

Hyun Myung (KAIST, Korea)