

# ICCAS 2015



## The 15th International Conference on Control, Automation and Systems

**ICCAS 2015** will be held on October 13~16, 2015 at BEXCO, Busan, Korea. The aim of ICCAS 2015 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.

October 13(Tue)~16(Fri), 2015

BEXCO, Busan, Korea

<http://2015.iccas.org>

### Paper Submission

You are cordially invited to submit full papers (3 to 6 pages) to <http://2015.iccas.org>. Paper template file can be downloaded from the website. Accepted papers will be published in the ICCAS 2015 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 10, 2015** : Submission of organized session proposals

**April 17, 2015** : Submission of full papers

**June 19, 2015** : Notification of paper acceptance

**July 17, 2015** : Submission of final camera-ready papers

### Plenary Speakers



**Karl Johansson**  
KTH Royal Institute of  
Technology, Sweden



**Peng Shi**  
Univ. of Adelaide  
Australia



**Jay Farrell**  
Univ. of California,  
Riverside, USA



**Yoshihiko Nakamura**  
Univ. of Tokyo  
Japan



**Sangbae Kim**  
Massachusetts Institute  
of Technology, USA



**David Boas**  
Harvard Medical  
School, USA



**Taek Lyul Song**  
Hanyang Univ.  
Korea

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# ICCRAS 2015

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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