

The 12th World Congress on Intelligent Control and Automation

JUNE 12–17, 2016, GUILIN, CHINA WCICA 2016



Call for Papers

The 12th World Congress on Intelligent Control and Automation (WCICA 2016) will be held in Guilin, China, June 12–17, 2016. WCICA 2016 is technically sponsored by IEEE Robotics and Automation Society, IEEE Control Systems Society, National Natural Science Foundation of China, the Chinese Association of Automation, and the Institute of Automation, Chinese Academy of Sciences.

WCICA 2016 features plenary/keynote and panel discussion sessions by the world leading researchers as well as awards to honor outstanding papers presented at this Congress. The awards include Best Paper on Theory, Best Paper on Applications, Best Student Paper, Best Poster Paper, Best Paper on Biomedical & Biosystem Related Areas, and AIAG Best Paper on Supply Chain Related Topics.

The Proceedings of WCICA 2016 will be included in the **IEEE Xplore database** and indexed by **EI Compendex**. Outstanding papers presented novel research results at the Congress will be recommended to publish the expanded versions in the WCICA 2016 special issues in the selected leading international journals. It is our great pleasure to invite you to submit your original research papers to the Congress.

WCICA 2016 welcomes proposals for invited sessions reporting innovative research results on focused topics and tutorials and workshops on novel emerging research topics. Please submit invited sessions and tutorial/workshop proposals to the Congress Secretariat at wcica2016@foxmail.com by December 20, 2015. For more information about the Congress, please refer to the Congress website for details.

Areas and topics of contributed papers include but are not limited to the following:

A. Control Theory and Engineering

- A1. Control Theory
- A2. Intelligent Control Theory and Applications
- A3. Advanced Control Algorithms and Applications
- A4. Networked Control Systems
- A5. Nonlinear Systems and Control
- A6. Robust and Adaptive Control

B. Engineering Optimization

- B1. Intelligent Optimization and Applications
- B2. Optimization for Industrial Automation Systems
- B3. Logistics and Supply Chain Optimization
- B4. Optimization for Decision Making Systems

C. System Sensing, Modeling and Analysis

- C1. System Modeling and Parameter Estimation
- C2. Fault Diagnosis and Safe Operation
- C3. System Simulation
- C4. Online Monitoring for Systems
- C5. Measurement Methods and Intelligent Instrumentation
- C6. Sensors, Sensor Networks, Sensing and Signal Processing

D. Big Data Automation

- D1. Big Data Analysis and Visualization
- D2. Data-driven Control
- D3. Data-driven Diagnosis
- D4. Data-driven Optimization, Scheduling, and Decision Making
- D5. Data-driven Operations and Quality Control
- D6. Data-based System Performance Analysis

E. Intelligent Automation Systems

- E1. Artificial Intelligence and Knowledge Engineering
- E2. Pattern Recognition, Image Processing, Machine Learning
- E3. Computational Intelligence and Applications
- E4. Robotics, NANO, MEMS and Mechatronics Systems
- E5. Intelligent Automation Systems for Manufacturing
- E6. Integrated Automation Systems
- E7. Smart Grid
- E8. Biomedical Systems and Biosystems Automation
- E9. Intelligent Transportation Systems
- E10. Cyber Physical Systems and Sensor Networks
- E11. Intelligent Automation Management Systems

Important Dates

- ◆ Paper Submission Deadline: January 10, 2016
- ◆ Notification of Paper Acceptance: February 15, 2016
- ◆ Final Paper Submission & Author Registration: March 15, 2016
- ◆ Conference Date: June 12–17, 2016

Contact Us

wcica2016@foxmail.com

Congress Website

<http://www.wcica2016.org>



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