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ICIEA 2014

THE 9th IEEE CONFERENCE ON INDUSTRIAL ELECTRONICS AND APPLICATIONS

09 - 11 June 2014, Hangzhou, China

http://www.ieeeiciea.org

The 9th IEEE Conference on Industrial Electronics and Applications (ICIEA 2014) will be held during 09 11 June 2014, in Hangzhou, China. The Conference is organized by IEEE Industrial Electronics (IE) Chapter of Singapore Section and Zhejiang University of Technology. IEEE Industrial Electronics Society is the financial and technical sponsor.

Selected papers may be published in popular international journals. The proceedings of past ICIEA are included in the IEEE Xplore database and indexed by El Compendex and ISI Proceedings. (except ICIEA 2013 which is in process.)

ICIEA 2014 is a premier conference, providing an excellent forum for scientists, researchers, engineers and industrial practitioners throughout the world to present and discuss the latest technology advancement as well as future directions and trends in Industrial Electronics. Authors are invited to submit full papers describing original research work in areas including, but not limited to,

Industrial Informatics: Human-machine interactions, Diagnosis and prognosis, Intelligent automation, Intelligent transportation system, Manufacturing execution systems, Networked embedded controllers, Machine-to-machine, Condition based maintenance, SOA, Multi-agent systems.

Computational Intelligence: Artificial neural network, Fuzzy systems, Genetic algorithm, Evolutionary computing, Machine learning, Data mining

Control and Systems: Adaptive and intelligent control, Hybrid control, Digital control theory and development, Robust control, Nonlinear systems and control, Process control, Networked control, Cooperative control, Bio-

Energy and Environment: Energy management and control systems, Energy distribution, storage and recovery, Alternative and green energy, Waste management, Waste treatment and recycling, Water network and security, Sensor technologies, Intelligent micro-grids

Mechatronics: Robotics, Sensors and actuators, Sensor fusion, High precision motion control, Micro electromechanical systems, Industrial automation, Remote operation

Power Electronics: Power devices and components, Power quality control, FACTS, PFC, STATCOM, Harmonic analysis and compensations, Switching circuits and power converters, Motors and drives, Smart grid, Distribution generation and electrical vehicles

Signal and Information Processing: Image processing, Computer vision, Bio-image processing, Audio/video processing, Data processing, Estimation and identification, Remote sensing, Information fusion, Brain computer interface, Signal transforming and filtering, Digital system design and structures, Optimization techniques, Compressive sensing

Network and Communication Technologies: Network protocols, Mobile computing, Mobile ad hoc networks, Mobile agents, Network architectures, Quality of services, Cross-layer design/optimisation, Design and performance evaluation, Traffic control, Wireless systems, MU-MIMO systems

Optoelectronics and Optical Communication: Fourier optics and signal processing, All-optical networks, Nonlinear optical signal processing, Discrete optical signal processing, Fiber optics sensors, Fiber optics communications

Invited and Special Sessions: The Technical Program Committee is soliciting proposals for invited and special sessions focusing on topics relevant to the theme of the conference. Prospective organizers should submit proposals to the Invited Session Chairs, Dr. Hualiang Zhuang (zhuanghl@zjut.edu.cn) or Prof Weihai Chen (whchenbuaa@126.com) by the date listed in "Important Dates"

Best Paper Award: Selection of the best paper will be made at the conference based on both the technical content and presentation. The winner will be chosen by the Award Committee led by Dr. Xing Zhu and Dr. Jia Li in consultation with the International Advisory Committee.

Paper Submission: Please submit full papers to the conference website at http://www.ieeeiciea.org. All submitted papers should be in the form of .pdf or .ps file and are to be limited to a maximum length of 6 pages (Letter size, single space, Times Roman of font size 10, two columns format), including figures, tables and references. Please use the template which is available from the website. Upon acceptance, authors will be required to register and present their papers. Papers will be published in the conference proceedings only if at least one of the authors is officially registered. Each registration covers a maximum of two papers.

In addition to the technical sessions, KEYNOTE ADDRESSES on the State-of-the-Art in various tracks of Industrial Electronics will be delivered.

Important Dates:

Deadline for Full Paper submission Deadline for Invited and Special Sessions Notification of Acceptance Deadline for Camera Ready Manuscript Submission Deadline for Authors' Registration

Extended to 31 December 2013

31 December 2013

15 February 2014 15 March 2014



