The 2nd IEEE International Conference on
CYBER TECHNOLOGY IN AUTOMATION, CONTROL, and INTELLIGENT SYSTEMS
(IEEE-CYBER 2012)

Date: May 27- 31, 2012

Location: Imperial Queen's Park Hotel, Bangkok, Thailand

Scope

IEEE-CYBER is a newly established international conference focusing on intelligent cyber systems in automation and control. Today's automation systems are increasingly equipped with sophisticated sensors and network interfaces to facilitate real-time monitoring and control through the cyber space. As networking technology continues to increase in bandwidth and decrease in price, this trend is expected to grow by leaps and bounds as new generations of internet-friendly automation systems become increasingly interconnected to provide not only fast and cost-effective, but also advanced intelligent control to a wide variety of disciplines such as healthcare, homeland security, energy, telecommunications, environment, transportation, and manufacturing.

Important Dates

Deadline of Full Paper (4 to 6 pages) for Review: **December 20, 2011**

Notification of Acceptance: **January 31, 2012**

Early Bird Registration: **February 15, 2012**

Deadline of Final Version of Full Paper: **February 28, 2012**

Conference Symposiums

Symposium 1: Internet of Things and Sensor Networks

• Advanced "Internet of Things" technologies and applications
• Cyber security for energy and communication infrastructures
• Integrated sensing, communication, and computational systems
• Wireless, optical, and hybrid communications systems
• Chemical, biological, and physical diagnostic systems

Symposium 2: Power Management and Intelligent Energy Systems

• Advanced power management schemes and designs
• Distributed power management
• Mixed signal systems
• Sustainable energy systems
• Energy scavenging and alternative energy technologies

Symposium 3: Robotics and Automation

• Internet robot and telerobotics
• Virtual reality and human-machine interaction
• Real-time learning and computational intelligence
• Cyber Sensors and actuators for automation systems
• Architectures of automation and cyber-physical systems

Organizers

Honorary General Chair: Frank Lewis (Univ. of Texas, Arlington, USA)

General Chair: Steve Tung (Univ. of Arkansas, USA)

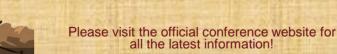Co-Chair: Max Meng (The Chinese Univ. of Hong Kong, Hong Kong)

Organizing Chair: Toshio Fukuda (Nagoya Univ., Japan)

Co-Chair: Bradley J. Nelson (ETH, Zurich, Switzerland)

Technical Program Chair: Zhidong Wang (Chiba Inst. of Tech., Japan)

Co-Chair: Russell Deaton (Univ. of Arkansas, USA)

• Accepted papers presented at the conference will be included in the IEEE Xplore database and EI-indexed.
• Several SCI-indexed journals will publish special issue papers based on selected papers from this conference (please check conference website for detailed info after October 2011).

Please visit the official conference website for all the latest information!

http://www.ieee-cyber.org/2012/

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