

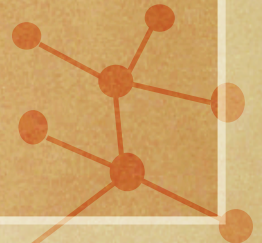


IEEE



2011 IEEE International Conference on CYBER TECHNOLOGY IN AUTOMATION, CONTROL, and INTELLIGENT SYSTEMS (IEEE-CYBER 2011)

Date: March 20-23, 2011
Location: Kunming, China



General Chair	: Tzyh-Jong Tarn (Washington Univ., USA)
Co-Chair	: Steve C. H. Tung (Univ. of Arkansas, USA)
Organizing Chair	: Toshio Fukuda (Nagoya Univ., Japan)
Co-Chair	: James J. M. Chen (Kunming Univ. of Science and Tech., China)
Technical Program Chair	: Frank Lewis (Univ. of Texas, Arlington, USA)
Co-Chair	: Bradley J. Nelson (ETH, Zurich, Switzerland)
Awards Committee Chair	: Jie Huang (The Chinese Univ. of Hong Kong, Hong Kong)
Co-Chair	: Hong Zhang (Univ. of Alberta., Canada)
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Finance Chair	: Xiaoping Yun (Naval Postgraduate School, USA)

Conference Scope:

The central theme of the IEEE-CYBER 2011 Conference will be 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 more and more interconnected to provide not only fast, cost-effective, and yet advanced intelligent control to a wide variety of areas such as health-care, homeland security, energy, telecommunications, environment, transportation, and manufacturing.

Technical Tracks:

Track 1: Internet of Things and Cyber-security Systems

- Advanced "Internet of Things" technologies and applications.
- Cyber Technology to protect critical infrastructures such as energy grid and communication networks.
- Computer networks, systems architecture, and process control systems.
- Software engineering, human-computer interaction, organization theory.

Track 2: Integrative/Complex Systems and Sensor Networks

- Integrated sensing, communication, and computational systems.
- Signal processing and coding techniques for communications, sensing, and other applications.
- RF-Wireless, optical, and hybrid communication systems.
- Submillimeter-wave/Terahertz (THz) imaging and sensing.
- Sensors, actuators, and electronic interfaces.
- Chemical, biological, physical diagnostic, and implantable systems.
- Environmental and early-warning monitoring systems.

Track 3: Intelligent Energy Grids and Controls/ Adaptive Networks

- Distributed control for sensor and adaptive networks.
- Adaptive dynamic programming, brain-like networked architectures for real-time learning, neuromorphic engineering, telerobotics, etc.
- Energy networks and grids; sustainable and distributed energy systems.
- Energy scavenging and storage; alternative energy technologies, including solar cells, ocean waves, wind, and geothermal.
- Micro- and nano-systems for large scale energy applications.

<http://www.ieee-cyber.org/2011/>

Important Dates

Deadline of Full Paper (4 to 6 pages) for Review: **October 15, 2010**
 Notification of Acceptance: **November 31, 2010**
 Early Bird Registration: **December 15, 2010**
 Deadline of Final Version of Full Paper: **January 15, 2011**

