



# IEEE Call for Papers

## 2005 IEEE International Conference on Networking, Sensing and Control

Sponsored by the IEEE Systems, Man and Cybernetics Society

### General Chair

Prof. Fei-Yue Wang  
Univ. of Arizona &  
Institute of Automation, CAS  
feiyue@sie.arizona.edu

### Program Co-Chairs

Prof. MengChu Zhou  
New Jersey Institute of Tech  
zhou@njit.edu

Prof. Malur K Sundareshan  
Univ. of Arizona  
sundareshan@ece.arizona.edu

Prof. MuDer Jeng  
National Taiwan Ocean Univ.  
jeng@mail.ntou.edu.tw

### Special Session Chair

Prof. Robin Qiu  
Penn State University  
gxq102@gv.psu.edu

### Exhibition Chair

Prof. Derong Liu  
Univ. of Illinois at Chicago  
liu@eecs.uic.edu

### Publicity Chair

Prof. Hadjicostis Christoforos  
University of Illinois at Urbana-  
Champaign

### Publication Chair

Dr. Yanqing Gao  
Univ. of Arizona

### Finance Chair

Dr. Yuetong Lin  
Univ. of Louisiana at Lafayette

### Registration Chair

Dr. Greg Lai  
Univ. of Arizona

### Student Activity Chair

Prof. Ying (Gina) Tang  
Rowan University

### Local Arrangements Chair

Prof. WeiHua Lin  
Univ. of Arizona

### Treasurer

Ms. Hao Hong  
Institute of Automation, Chinese  
Academy of Sciences



March 19-22, 2005  
Radisson Hotel  
Tucson, Arizona,  
USA

## Conference Theme - Intelligent Networking and Systems

The 2005 IEEE International Conference on Networking, Sensing and Control will be held in Tucson, Arizona, from March 19 to March 22, 2005. The technologies in networking, sensing and control have been playing important roles in our modern civilization and expected to stay as main characters in the future. The conference intends to bring together all researchers and developers in these fields all around the world to share their research results, to exchange ideas and to explore possible collaborations in academic and in industry. The main theme of this year's conference is "**Intelligent Networking and Systems.**" The area of **Intelligent Networking and Systems** is a fusion of a number of research areas in networking, sensing, artificial intelligence, operation research, and systems control theory. A system engineering approach is required to address new problems of this challenging and promising area. This conference will provide a remarkable opportunity for the academic and industrial community to address new challenges and share solutions, and discuss research directions for the future. In particular, we would like to encourage more participation from the worldwide related community and promote more their related activities in this unique conference. Technical topics of the conference include but are not limited to:

### PROGRAM TOPICS

Smart network	Fuzzy and neural systems
Heterogeneous wireless network	Homeland security
Network-based computing systems	Bioinformatics, bio-signals and systems
Sensor network	Complex systems modeling and control
Intelligent and collaborative systems	Smart vision and image processing
Intelligent vehicle highway systems	Smart car and vehicle control
Multi-agent systems	Spoken dialogue systems
Wireless mobile communication	Sensor design, integration, and fusion
Information systems and infrastructure	Micro/nano, electro-mechanical sensor systems

### PAPER SUBMISSION

Complete manuscripts in PDF format must be electronically submitted to conference website:  
<http://www.ieeeicnsc.org>

\Submitted manuscripts should be six (6) pages in IEEE two-column format, including figures, tables, and references. A LaTeX style file and a Microsoft Word template are available from the IEEE web site (<http://www.ieee.org/pubs/transactions/stylesheets.xml>). However, submission MUST be PDF FORMAT.

### IMPORTANT DATES

Paper submission deadline-----October 1, 2004  
Notification of acceptance-----November 15, 2004  
Camera-ready copy due-----December 15, 2004