

# CALL FOR PAPERS

## CHINACOM 2008

August 25 - 27 2008, Hangzhou, Zhejiang, China.

### Wireless Communications and Networking Symposium

#### *Symposium Co-Chairs*

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#### *Brief Description*

The ChinaCom 2008 Wireless Communications and Networking Symposium aims to provide a valuable forum for sharing ideas among researchers and practitioners working on the state-of-the-art solutions in the wireless communications and networking areas. The symposium seeks papers that describe original and unpublished contributions addressing various aspects of the advances of wireless communications and networking. Perspective authors are invited to submit original technical papers for publication in the conference proceedings and for presentation at the symposium

#### *Topics of interest include, but are not limited to:*

- PCS, GPRS, EDGE, 3GPP, UMTS, and IMT2000
- CDMA, TDMA, OFDM, and air interfaces
- Smart antennas, cell and capacity planning
- Radio Frequency Identification (RFID)
- Cognitive radio and software defined radio
- Cooperative communications and networking
- Ultra-wideband communications (UWB)
- MIMO and multi-antenna communications
- Space-time coding and processing
- Detection and estimation
- Propagation and antennas
- Diversity techniques and equalization
- Synchronization
- Channel modeling and estimation
- Modulation and coding
- Multi-user detection, signal separation and interference rejection
- Joint source-channel coding for wireless communications
- Channel capacity and network information theory
- Power control algorithms
- DSP applications to wireless systems

- Satellite communications
- Mobility, handoff protocols and management
- Wireless LANs and mobile Internet
- Network topology control
- Flow and congestion control
- TCP over wireless
- Wireless multicasting
- Broadband wireless communications
- B3G/4G mobile network architectures
- Wireless multimedia
- Network coding in wireless networks
- Wireless switching and routing techniques
- Resource allocation and interference management
- Sensor and ad hoc wireless networks
- WiMAX and beyond WiFi
- Wireless mesh networks
- Vehicle-to-vehicle communications and Networking
- Cross-layer design and optimization
- Wireless security and privacy
- Wireless service discovery
- Localization techniques
- Heterogeneous networks and systems
- Bluetooth technologies and applications
- Delay-tolerant networks