



**CALL FOR PAPERS**  
**WCSP 2012**  
**Communication Theory Symposium**  
**October 25-27, 2012, Huangshan, China**  
<http://www.ic-wcsp.org>

**Overview:** The annual International Conference on Wireless Communications and Signal Processing (WCSP) aims to provide a forum that brings together International researchers from academia and practitioners in industry to meet and exchange ideas and recent research work on all aspects of wireless communications and signal processing. Following the great success of WCSP'09, WCSP'10, and WCSP'11, the fourth edition of the event, WCSP'12, will be held in **Huangshan (Yellow Mountain)** city, Anhui Province, China, on October 25-27, 2012. The conference will be sponsored and organized by the National Mobile Communications Research Lab at Southeast University, China, and technically co-sponsored by the IEEE and IEEE Communications Society. It will consist of four symposia, including communication theory symposium, wireless communications symposium, wireless networking symposium, and signal processing symposium.

**Scope:** The communication theory symposium focuses on the state-of-art research topics related to all aspects of communication theory. Prospective authors are welcome 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:

- Coding theory
- Information theory and channel capacity
- Network information theory
- Detection and estimation theory
- Cooperative communications theory
- CDMA and spread spectrum
- Compressed sensing
- Adaptive modulation and coding
- Joint source-channel coding
- Error control coding
- Network coding
- Source coding and data compression
- Space-time coding and processing
- Distributed coding and processing
- Turbo and LDPC codes
- Distributed storage
- Diversity and fading countermeasures
- Energy-efficient communications
- Physical layer security
- Interference alignment
- Interference management, cancellation, and avoidance
- Theoretical aspects of cognitive radio
- Theoretical aspects of cross layer design

**Submission and Publication:** Please visit the conference website at [www.ic-wcsp.org](http://www.ic-wcsp.org) for submission instructions. All accepted and presented papers will be included in the WCSP 2012 Conference Proceedings and **IEEE Xplore** Digital Library, and indexed by **EI Compendex**.

**Important Dates:**  
Submission deadline: June 15, 2012  
Acceptance notification: Aug. 15, 2012  
Camera-ready paper: Sept. 15, 2012

**Symposium Co-Chairs:** **Nan Liu**, Southeast University, China ([nanliu@seu.edu.cn](mailto:nanliu@seu.edu.cn))  
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