



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 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:

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

Submission and Publication: Please visit the conference website at 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)
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