



*SPAWC 2009  
Perugia, Italy*

*CALL FOR PAPERS*

*SPAWC 2009, June 21-24  
The 10th IEEE International Workshop on  
Signal Processing Advances in Wireless Communications*

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**Technical Program**

SPAWC 2009, the tenth IEEE International Workshop on Signal Processing Advances for Wireless Communications is devoted to recent advances in signal processing for wireless and mobile communications.

This workshop brings together members of the signal processing, communications and information theory communities, working in universities, research centers and telecommunications companies. The meeting will feature keynote addresses by leading researchers, as well as invited and contributed papers. SPAWC 2009 will be held from June 21, 2009 to June 24, 2009 in Perugia, Italy.

Conference URL: <http://www.ieee.org/go/spawc09>

**Paper Submission**

Prospective authors are invited to submit papers in the following areas:

- Smart antennas, MIMO systems, and space-time coding
- Fundamental limits on capacity and performance analysis
- Single-carrier, multi-carrier, and multi-rate systems
- Multiple access and broadcast channels, multi-user receivers
- Source localization
- Cross-layer issues: from physical to networking layers
- Signal processing tools for ad hoc, multi-hop, and sensor networks
- Distributed signal processing
- Cooperative transmission and reception schemes
- Cognitive radio, resource allocation
- Time, frequency, spatial, multi-user diversity in fading channels
- Ultra-wideband radio and RFID
- Modeling, estimation and equalization of time-varying channels
- Signal separation, and interference rejection
- Acquisition, synchronization, and tracking (data aided or blind)
- Spread-spectrum systems
- Source-channel coding
- Iterative (turbo) decoding, Monte Carlo signal processing
- Signal processing for wireline communications, digital subscriber loops and cable modems

**Important Dates**

Extension submission deadline: February 6, 2009

Notification of acceptance: March 30, 2009

Final paper due: April 10, 2009

