9th IEEE Workshop on Signal Processing Advances in Wireless Communications

Recife, Brazil - July 06-09, 2008

FIRST CALL FOR PAPERS

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TECHNICAL PROGRAM

SPAWC 2008, the 9th IEEE International Workshop on Signal Processing Advances for Wireless Communications, is devoted to recent advances in signal processing for wireless and mobile communications, as well as for communications in general.

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 2008 will be held at the Mar Hotel, Recife, Brazil, July 06-09, 2008.

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
- Mobile location
- Cross-layer issues: from physical to networking layers
- Signal processing tools for ad hoc, multi-hop, and sensor networks
- Cooperative transmission and reception schemes
- Cognitive radio, resource allocation
- RFID
- Time, frequency, spatial, multi-user diversity in fading channels
- Ultra-wideband radio
- 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 power-line communications, digital subscriber loops and cable modems

IMPORTANT DATES:

- January 28, 2008 - Submission deadline
- March 31, 2008 - Notification of acceptance
- April 21, 2008 - Final paper due