

CALL FOR PAPERS - SPAWC 2007



8th IEEE Workshop on
Signal Processing Advances
for Wireless Communications,
Helsinki, Finland,
June 17-20, 2007



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TECHNICAL PROGRAM

SPAWC 2007, the 8th 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 communication 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 2007 will be held June 17-20, 2007 at the Marina Congress Center, Helsinki, Finland.

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
- RFID
- Time, frequency, spatial, and 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
- Topics in wired-line: signal processing for power-line communications, digital subscriber loops and cable modems

IMPORTANT DATES:

January 22, 2007 Submission deadline
March 30, 2007 Notification of acceptance
April 15, 2007 Final paper due

For updated workshop info, consult:

<http://wooster.hut.fi/spawc07/>

