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18th International Conference on Software, Telecommunications and Computer Networks

experience a different conference

SoftCOM 2010

Split- Adriatic Islands, Croatia
September 23 – 25, 2010

Symposium on:

SPREAD SPECTRUM TECHNIQUES AND APPLICATIONS

Symposium Chair: Susanna Spinsante

Polytechnic University of Marche, Italy (s.spinsante@univpm.it)

Call for Papers

Symposium on "Spread Spectrum Techniques and Applications" in the frame of the 18th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2010), technically co-sponsored by the IEEE Communication Society (ComSoc), will be held September 23- 25, 2010.

Spread Spectrum techniques and applications are becoming increasingly popular in the communication and navigation fields. This symposium will focus on the latest advances in wideband technologies, spread spectrum techniques, OFDM, MIMO, and Ultra Wideband (UWB), highlighting the state-of-the-art solutions and proposals, both in their theoretical and practical development.

Accepted papers will be published in the conference proceedings, and authors of selected best papers will be invited to submit an extended version of their manuscripts for publication in a special issue of the Journal of Communications Software and Systems (JCOMSS). Original contributions are solicited, on the following topics, but not limited to:

- Information theoretic aspects of wideband communications
- Sequence design and optimization
- DS, TH, FH and hybrid concepts
- Communications using chaos
- Security and encryption
- UWB communications
- Multidimensional modulation
- Multicarrier CDMA and OFDM
- MIMO & diversity techniques
- Wideband channel modeling
- Signal processing for wideband receivers
- Code acquisition and tracking
- Synchronization and channel estimation
- Adaptive equalization and combining
- Multi-user detection
- Interference cancellation and mitigation
- Cognitive, flexible, and software radio

Applications

Beyond 3G, LTE and 4G networks, Wireless networks (BAN, PAN, WLAN, MAN, WIMAX) OFDM, CDMA, UWB system concepts, Ad-hoc and wireless sensor networks, Optical SS Satellite and deep space communications, Navigation (GPS, Galileo, Glonass, terrestrial-based) Remote sensing, radar, and sonar Symposium.

IMPORTANT DATES

Complete manuscript due	June 1, 2010
Notification of acceptance	July 15, 2010
Camera-ready manuscript	Sept. 1, 2010

JOURNAL OF
COMMUNICATIONS
SOFTWARE AND SYSTEMS
www.ccis.hr/jcomss

More information about the Conference including details on the submission process and authors kit is available on the website:

<http://www.fesb.hr/SoftCOM>

Conference Secretary: Josko Radic, University of Split, Croatia (softcom@fesb.hr)