CALL FOR PAPERS

ICCCN 2008: 17TH INTERNATIONAL CONFERENCE ON COMPUTERCOMMUNICATIONS AND NETWORKS

http://www.icccn.org/icccn08/

August 4-7 2008

Frenchman's Reef & Morning Star Marriott Beach Resort St. Thomas, US Virgin Islands, USA

Sponsor: Technical Co-Sponsorship by IEEE Comsoc

<u>Signal Processing for Communications Track</u>

The analysis, manipulation and processing of signals is fundamental to radio communication systems, multimedia systems, medical and biological systems, etc., each presenting unique technical challenges. The Signal Processing for Communications track deals with signal processing aspects of radio communication, biological, multimedia and sensor systems with papers focussing on fundamental theory, algorithms, implementation methods and applications. We solicit original and unpublished research work in various aspects of network algorithms and performance evaluation, including, but not limited to, the following topics:

- Large-scale signal processing
- Signal processing for Gigabit communications
- Distributed and collaborative signal processing
- Localization and positioning techniques
- Signal processing in sensor networks
- Signal processing in body area networks
- Signal processing for audio and video communications systems
- Adaptive wireless systems
- Joint source-channel optimization techniques
- Cross layer optimization techniques in wireless systems
- Transmitter signal processing techniques in wireless systems
- Receiver signal processing techniques in wireless systems
- Signal processing for dirty RF systems
- Signal processing implementation techniques for MIMO and OFDM systems
- Signal processing in healthcare information systems
- Biological and medical signal processing
- Multimedia signal processing
- Watermarking
- Novel signal processing applications

Submission of Manuscripts: Please follow the general submission instructions on the conference website.

Important dates:

Paper submission: **March 9, 2008 (FIRM)**

Notification of acceptance: May 12, 2008

Camera ready papers due: June 1, 2008

Track Co-Chairs:

Prof. Bala Natarajan, Kansas State University

Dr. Ashish Pandharipande, Philips Research Lab

Track Technical Program Committee:

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