********* COGNITIVE RADIO NETWORKS TRACK **********

17TH INTERNATIONAL CONFERENCE ON
COMPUTER COMMUNICATIONS AND NETWORKS
http://icccn.org/icccn08/
August 4 - 7, 2008
St. Thomas U.S. Virgin Islands
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The Cognitive Radio Networks track of IEEE ICCCN 2008 solicits original and unpublished work not currently under review by any other conference or journal. The focus of this track is to address the overwhelming demand for radio spectrum and the ways to harness under-utilized parts of the spectrum. The topic areas cover all aspects of networks and devices that participate in dynamic spectrum access in a cooperative/ non-cooperative manner. This includes cognitive radio, spectrum sensing, algorithmic and architectural support for cognitive radio networks, efficient usage of licensed/unlicensed bands, policy and regulatory issues on spectrum access, application platforms, signaling and channel access schemes, economic models such as games and auctions for dynamic spectrum access, and emerging standards. In summary, areas of interest include, but are not limited to:

* Reconfigurable architectures and platforms for cognitive radio
* Emerging standards (e.g., IEEE 802.22, P1900 etc.)
* Economic models and pricing for dynamic spectrum access
* Brokering markets for secondary spectrum usage
* Trust and security mechanisms
* Wide-band spectrum sensing mechanisms
* Multiple access scheme for cognitive radio
* Radio resource management under opportunistic spectrum sharing
* Interference modelling/measurements and co-existence
* Ultra-wideband cognitive radio systems
* Cooperative and Self-organizing mesh networks
* Biological inspired mechanisms for cognitive radios management
* QoS support for cognitive radios
* Autonomics for cognitive radios and networks

IMPORTANT DATES
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Paper submission deadline: Feb 17, 2008
Notification of acceptance: May 12, 2008
Camera ready papers due: June 1, 2008

For submission instruction, please go to
http://edas.info/newPaper.php?c=6067&
and select the Cognitive Radio Networks Track.

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