

## CALL FOR PAPERS

### ICCCN 2008: 17TH INTERNATIONAL CONFERENCE ON COMPUTER COMMUNICATIONS 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

### **Protocols and Algorithms for Wireless Networks Track**

The phenomenal growth of wireless network technologies, and their application in increasingly diverse scenarios, has brought about the acute problem of efficient usage of the scarce wireless resource. Due to the peculiar features of the wireless medium (such as its broadcast nature, interference, fading and high error rates) and the devices using it (mobility and usually limited battery power), traditional protocols and algorithms designed for the wired environment, at all layers of the protocol stack, generally do not perform adequately in wireless networks. As a result, specially designed protocols and algorithms are necessary to achieve efficient utilization of wireless networks, ranging from medium access control (MAC) over a single channel, to a variety of issues in multi-hop (including ad-hoc, mesh and sensor) networks, such as routing, channel assignment, reliable end-to-end delivery, multicast and broadcast, and many more. The Protocols and Algorithms for Wireless Networks (PAWN) track of ICCCN 2008 will feature the recent advances in the area from both a theoretical and a practical perspective. Original papers describing new results and achievements are solicited in all aspects of the subject, ranging from algorithmic advances to protocol design, architecture and implementation. Topics of interest include, but are not limited to:

- Power and rate control
- Medium access control
- Algorithms for ad-hoc and mesh networks
- Wireless routing and network coding
- Wireless multicast and broadcast
- Channel assignment and topology planning
- Cooperative communications and opportunistic forwarding
- Energy-efficient communications
- Transport protocols for wireless networks
- Mobility management
- Protocols for special environments (e.g. vehicular ad-hoc networks)
- Wireless localization
- Cross-layer protocol design
- Protocol implementations and experiments

**Submission of Manuscripts:** Please follow the general submission instructions for ICCCN 2008.

<b>Important dates:</b>	Paper submission:	<b>March 9, 2008 (FIRM)</b>
	Notification of acceptance:	May 12, 2008
	Camera ready papers due:	June 1, 2008

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