

CALL FOR PAPERS

IEEE/CreateNet International Conference on Broadband Networks

(IEEE/CreateNet BROADNETS 2005)
Broadband Wireless Networking Symposium

October 3 - 7, 2005
Boston, Massachusetts, USA
<http://www.broadnets.org/>

Co-Sponsored by: IEEE Communications Society / CreateNet / ICST
In Technical Cooperation with: ACM SIGMOBILE (pending) and IEEE Computer Society (pending)



Submission Deadline: **March 24, 2005**

SCOPE

IEEE/CreateNet BROADNETS 2005 is an international conference focusing on broadband networking and covers the entire gamut of next generation networks with high bandwidth available for both wireless and wireline networks. The conference will consist of the following three symposia:

Broadband Wireless Networking Symposium: covers mobility, routing for multihop, multimedia QoS and traffic management, cross-layer optimization, MAC and emerging physical layer technologies (UWB, MIMO) for high-speed wireless networking.

Broadband Optical Networking Symposium: covers WDM technologies, Ethernet and MPLS integration into the optical layer, Next-Generation SONET/SDH, as well as SAN extensions over DWDM/SONET/SDH.

Broadband Applications/Services Symposium: covers middleware and service architectures for broadband applications, pervasive computing and ubiquitous communications, and universal broadband access for information services.

IEEE/CreateNet BROADNETS 2005 will thus offer a unique forum for researchers from academia, government and industry to share ideas and disseminate new results in these important areas.

SCOPE

This Call for Papers describes the details for the Broadband Wireless Networking Symposium ONLY. (Refer to the www.broadnets.org/ website for the details of Broadband Optical Symposium and Broadband Applications/Services Symposium.) We are soliciting full papers in all research, development, and deployment areas on broadband wireless networking. Topics of interest include, but not limited to, the following:

- 3G/4G Systems
- Fixed Broadband Wireless Access

- Wireless Local Area Networks
- Wireless Indoor & Home Networks
- Wireless Mesh Networks
- Wireless Sensor Networks
- Ultra Wideband (UWB) Networks
- Ad-hoc Networks
- Wireless Personal Area Networks
- Free-Space Optics
- Internetworking Heterogeneous Wireless/Wireline Networks
- Network Topology Management
- Unicast and Multicast Routing
- Resource Management
- Neighbor Discovery
- MAC Protocol Design and Analysis including IEEE 802.11/15/16
- Software-Defined Radio
- Space-Time Processing, MIMO Systems
- Joint Physical/MAC Design
- Smart (directional) Antennas
- Power Control
- Mobility, Location and Handoff Management
- Routing in Multihop, Ad-hoc and Sensor Networks
- Multimedia QoS and Traffic Management
- Security Techniques and Systems

Conference proceedings will be published by IEEE Communications Society. A set of selected papers from the symposium will be published in a special issue of ACM/Kluwer Mobile Networks (MONET) Journal.

IMPORTANT DATES

EDAS Paper Registration: **March 24, 2005 (extended)**
 Final Paper Upload: **April 1, 2005 (extended)**
 Acceptance Notification: **June 1, 2005**
 Final Manuscript Due: **July 1, 2005**

PAPER SUBMISSION INSTRUCTIONS

Authors are invited to submit full papers of up to 10 pages in IEEE conference proceedings format. Papers should be submitted in PDF format to the respective symposium through the EDAS system at <http://edas.info/>.

CONFERENCE ORGANIZING COMMITTEE

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