

# CALL FOR PAPERS

## IEEE/CreateNet International Conference on Broadband Networks

(IEEE/CreateNet BROADNETS 2005)

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

**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.

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 Applications/Services Symposium ONLY. (Refer to the [www.broadnets.org/2005](http://www.broadnets.org/2005) website for the details of Broadband Optical Networking Symposium and Broadband Wireless Networking Symposium.) This Symposium invites academic and industry researchers to present issues and opportunities for tomorrow's IT infrastructure as driven by broadband applications and services. We invite the research community to present the most recent advances in this field, to discuss exciting research topics and development of testbeds and applications, and to share their research and development experiences. We hope to organize one or more panel sessions of industry leaders to offer them an opportunity to outline their vision for future broadband networks, as well as to

offer academic and national laboratory researchers an opportunity to ask questions/provide feedback to these industry leaders. Our goal is to raise the awareness of new industry developments in the academic community, and, at the same time, to establish a sound link between applied and theoretical research.

Topics of interest for which we are soliciting full-length papers include, but are not limited to, the following:

- Applications for security and privacy
- Applications and services for grid networks
- Grid middleware
- Collaborative remote visualization and virtual reality
- Data mining and high-speed file transfer applications
- Collaborative computational steering
- Multimedia applications for wireless networks
- Multimedia applications for optical networks
- Video-conferencing and video-telephony
- Video-on-demand, TV-on-demand
- Ultra Wideband (UWB) applications
- Applications in 3G/4G networks
- Applications and services in integrated 3GPP-WLAN networks
- Applications for wireless indoor & home networks
- Applications in large-scale sensor networks
- P2P applications
- Applications for overlay networks
- Multicast applications
- Broadband access applications
- Pricing models for new services
- Standards, licensing and regulation
- Economics and business cases
- Applications for e-government, e-health and e-science
- Storage applications

## **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/>.

## **BROADBAND APPLICATIONS/SERVICES SYMPOSIUM TECHNICAL PROGRAM COMMITTEE**

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