

Athens,  
Greece



# BROADNETS 2010



The 7<sup>th</sup> International ICST Conference on  
Broadband Communications, Networks, and Systems  
October 25-27, 2010 Athens, Greece

<http://broadnets.org/2010/>

BROADNETS 2010 is an international conference focusing on broadband communications, networks, and systems and covers the entire gamut of next generation networks, communications systems, applications and services. The conference welcomes papers in three tracks, covering topics (including, but not limited to):

### WIRELESS Track

- MIMO and OFDM techniques
- Modulation and coding schemes
- MAC protocols
- Mobility management
- Radio resource management
- Packet scheduling algorithms
- Routing protocols
- Network architecture and topology design
- Hybrid networks
- Wireless traffic management
- Cross-layer design and optimization
- Wireless QoS
- Multihop and relay networks
- Mobile ad hoc networks
- Wireless sensor networks
- Cognitive radio
- Cognitive wireless networks
- Self-Organizing Networks (SON)
- Dynamic and flexible spectrum management (DSM/FSM)
- Software Defined Radio
- Reconfigurable radio systems
- Cellular networks

### INTERNET Track

- Routing
- Scheduling
- Congestion control
- Traffic engineering
- Network modeling
- Network management
- Autonomics in the Future Internet
- Cognitive technologies
- QoS in the Internet
- Security, Trust
- Overlay networks
- Virtualization
- Content distribution networks
- Web technologies
- Semantic technologies
- Peer-to-peer networks
- Media technologies (VoIP, IPTV, video streaming)
- Electronic services (health, government, learning, etc.)
- Social networks
- Future Internet applications,
- Prosumer applications
- Machine-to-machine applications
- "Clean-slate" Internet architectures, algorithms, protocols, and services.

### OPTICAL Track

- Optical access networks
- Converged optical/wireless access networks
- Radio over fiber based networks
- WDM transmission technologies and systems
- Optical switch architectures
- Optical packet, burst, and label switching networks
- Optical grids in access and core
- SAN extensions
- Multilayer optical networks
- Cross-layer design (incl. application layer dependence)
- Reliable optical networking
- Optical networking for green information and communications technology
- Routing, wavelength assignment, and traffic grooming
- Modeling and design of optical networks and systems
- Network control and management
- Techno-economic aspects of optical networks
- Demonstrations and field-trials.

## PAPER SUBMISSION

Authors are invited to submit full papers only in PDF format of up to 8 pages in two-column, no less than 10pt font, conference proceedings format. Paper formatting instructions are available at:

<http://www.ieee.org/web/publications/pubservices/confpub/AuthorTools/conferenceTemplates.html>

Click on the following link to submit your paper: <http://thames.cse.ohio-state.edu/broadnets2010/>

Authors of accepted papers are required to register at regular registration rates in order for the paper to appear in the conference proceedings. At least one of the authors is also required to attend and present the paper. Only in special circumstances, permission may be obtained from the TPC chairs for substituting with a non-author speaker. Such permissions must be requested at least FOUR WEEKS before the first day of the conference. If a paper is not presented at the conference, then it will be deleted from the proceedings and will not be archived in the Springer digital library.

### **Important Dates:**

*Workshop/tutorial proposal:*

*Feb. 19<sup>th</sup>, 2010*

*Paper Submission: April 23<sup>rd</sup>, 2010*

*Acceptance Notification: May 31<sup>st</sup>, 2010*

*Camera-ready: June 30<sup>th</sup>, 2010*

*Author registration: June 25<sup>th</sup>, 2010*

### **Organizing Committee:**

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Ioannis Tomkos, Athens Information Technology, Greece  
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