

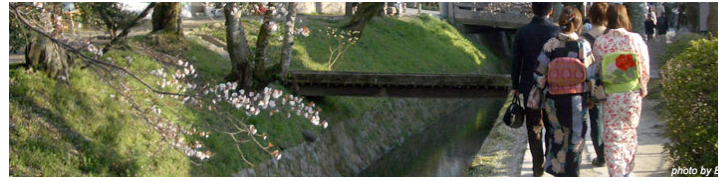
BcN 2010

5th IFIP/IEEE International Workshop on Broadband Convergence Networks

Osaka International Convention Center, Osaka, Japan

19 April, 2010

held in conjunction with [IFIP/IEEE NOMS 2010](#))



CALL FOR PAPERS

Convergence is a key design aspect for next generation networks. The seamless integration of wireless and wired network architectures, point - to - point and broadcasting communications, data and multimedia - oriented services, mobile and cellular systems, sensor networks, fast fiber and long delay networks remains a challenging endeavor for network operation and management. The complete end - to - end picture becomes unclear to say the least.

As new technologies meet old ones, many need to be revisited to fit into this complex scenario. In this workshop, we will look at the latest advances in broadband access technologies including IEEE 802.11 Wireless LAN, 802.16 Wireless MAN (WiBro, WiMax) and 3G/4G wireless cellular networks and their SIP based IMS platform, broadband access networks, such as xDSL, FTTH and Cable, and examine their use for emerging streaming, multicast, and broadcast applications such as IPTV.

Sharing research and development experiences towards next generation architectures design and management is very important. Architectural issues such as naming and addressing, routing and service scalability, late binding, cross layer design, mobility and heterogeneous support, service orchestration, among others are encouraged into the broadband context. These different visions on how carriers will deliver voice, data and video services - with less network complexity and efficient control - are crucial information for operators and carriers.

This 5th edition of the event builds on the success of the 1st IEEE International Workshop on Broadband Convergence Networks (BcN2006) held on April the 7th 2006 in Vancouver, Canada, in conjunction with IEEE/IFIP NOMS2006), the 2007 edition held on May the 21st of 2007 in Munich, Germany (In conjunction with IEEE/IFIP IM2007), the 2008 edition held on April the 7th of 2008 in Salvador, Brazil (in conjunction with IEEE/IFIP NOMS 2008), and in 2009 it was held on June 5th in New York, NY in conjunction with IEEE/IFIP IM 2009.

We seek to draw researchers with different backgrounds to share their experience and knowledge of the current status of standardization and technology development of BcN, to discuss challenges and present possible solutions and innovations for the challenges that broadband networking brings forward.

Topics of interest for this workshop include, but are not limited to, the following:

- Trends in broadband networking, architectures and standardization
- Converged networking issues for telecommunication and broadcasting
- Fixed and mobile networks convergence
- IMS and Telecom convergence
- Future Generation Networks
- Broadband access networking with hybrid fiber optic and wireless networks
- Seamless service provisioning with roaming and handover
- Regulatory issues
- Provisioning of applications and services
- QoS, mobility and policy management in broadband networks
- 3P services over broadband access networks
- Security issues on the convergence of networks
- Accounting and Billing
- Automated resource management and service provisioning
- Signaling for application sessions and networking
- Virtual networks and operators
- Overlay networks
- TCP for broadband links
- Streaming services over wireless access networks
- Ambient network access technologies and services
- Trial results, migration and case studies
- Convergence in residential access and home networks

Submission Instructions

Authors are requested to submit full papers (up to 8 pages) or short papers (up to 4 pages) in IEEE double column format. The contribution must be original and previously unpublished. Papers must be submitted online in a PDF format using the JEMS system (<https://jems.sbc.org.br/bcn2010>) and will undergo a rigorous review process handled by the Technical Program Committee. Accepted papers must be presented at the workshop by one of the authors and will be included in the IEEE Digital Library. Further details on preparing a manuscript can be found on the Author Information page on the workshop website.

Further questions should be addressed to the co-chairs.

Important Dates (tentative deadlines) :

Paper registration due: January 6, 2010 (**extended**)
Paper upload due: January 11, 2010 (**extended**)
Notification of acceptance: February 8, 2010
Final camera-ready papers due: February 19, 2010
Workshop date: April 19, 2010

Co-chairs:

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