

Call For Papers

JCN SPECIAL ISSUE ON BROADBAND CONVERGENCE NETWORK (BCN)

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The advent of multimedia applications with high bandwidth and quality of service requirements has initiated a new era in telecommunications technology. At the same time, rapid development of various wireless and wired networks including third generation cellular mobile networks (UMTS and cdma2000), ADSL, Wi-Fi, WiMax, terrestrial and satellite DVB networks have emerged the next research topic toward integration and convergence of those networks. The convergence of mobile and fixed networks will provide new business models for the communications systems and generate new applications. The seamless movement of a user subscribed to one network to another network using a unique multimode handheld device will therefore create new problems to be solved by the telecommunications researchers. Billing and security, maintaining the quality of service while moving from the home network to a visiting network and fast and lossless handoff among networks are some of those topics.

This Special Issue of JCN solicits research papers on the topic of Broadband convergence Network (BcN). In BcN the connection among heterogeneous networks both on horizontal and vertical structures, interaction among network-dependent elements of those networks, and security and quality of service policies including scheduling and admission control must be carefully designed. Articles for this special issue will be solicited through an open call-for-papers and invitation to the experts in the field from industry and academia. Topics of interest include but not limited to:

- ✓ Convergence of Broadcast and Communications Networks
- ✓ Convergence of 2G/2.5G/3G Networks
- ✓ Convergence of WPAN/WLAN/WMAN and Cellular
- ✓ Convergence of Wired and Wireless Networks
- ✓ Evolution of Broadcast and Communication networks
- ✓ Convergence of Satellite and Terrestrial Networks
- ✓ Convergence of Ad Hoc and Infrastructure Networks
- ✓ IPTV Service and Other Services in the BcN
- ✓ All-IP Network Convergence
- ✓ Open Network Architectures Toward BcN
- ✓ VoIP Applications in BcN
- ✓ Multicast Techniques in BcN
- ✓ BcN Service Technique in CATV Networks
- ✓ Contents Adaptation in BcN
- ✓ 3.5G/4G Initiatives
- ✓ Quality of Service Establishment in BcN
- ✓ Mobility Management in BcN
- ✓ Network and User Security in BcN

Continuing JCN's tradition of fast turnaround together with full peer reviews, the following schedule has been set:

May 1, 2006	Electronic manuscript (.ps or .pdf) submission to JCN website [An earlier note to editors with intent to submit will be appreciated.]
July 15, 2006	Reviews returned to author. Papers will be either accepted, rejected, or returned to the authors with requests for changes
September 1, 2006	Final Revised Manuscript Due
December 15, 2006	Special Issue published

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Electronic submissions will be made to JCN website. Information about submissions is available on the JCN web site, <http://jcn.or.kr>. Please direct inquiries and intent to submit notifications to any one of the Guest Editors.

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