

CALL FOR PAPERS

Submission Deadline: 1 May 2008

Special Issue on IPTV in Multimedia Broadcasting IEEE Transactions on Broadcasting

Driven by advances in video compression and broadband access technologies, the Internet Protocol Television (IPTV) is a new emerging technology for the delivery of broadband multimedia services directly to the homes. IPTV delivers broadcast TV over secure, managed broadband IP based networks with a required level of quality of service. It also provides bundled service offerings that encompass Internet access, telephony (VoIP), multimedia services and mobile services. Being regarded as a great business opportunity for content providers, service providers and equipment manufacturers, there are still many issues in the standardization, design, development and deployment of commercially viable IPTV services.

This special issue solicits innovative papers on all aspects of IPTV in multimedia broadcasting, including architectural standardization, content protection, quality of service and quality of experience, middleware, as well as billing, accounting, etc. Topics of interest include, but are not limited to:

- Architectures for IPTV systems (including NGN based, Non-NGN based, IPTV service and scenario, etc)
- IPTV QoS/QoE issues (including performance considerations, traffic management, application layer reliability solutions, monitoring, etc.)
- IPTV content protection and service security (including DRM, conditional access, network security, etc.)
- Video/audio for IPTV systems
- IPTV test beds and field trials for multimedia broadcasting applications
- IPTV system integration issues (including head-end integration, networking, end systems, portability / scalability / interoperability aspects, etc.)
- Mobile IPTV (system deployment, mobile extension considerations, etc.)
- IPTV metadata, EPG and service selection
- IPTV home networks and consumer devices
- IPTV content consumption measurement

All submissions will be peer-reviewed. Contributors should submit mature, unpublished work in camera-ready version following the journal's instructions for authors, which are available at <http://www.ieee.org/organizations/society/bt/public.html>

Important Dates

Deadline for authors to submit papers: **1 May 2008**

Notification of review results: **15 October 2008**

Deadline for final version of papers: **1 December 2008**

Possible publication: **Q1 or Q2, 2009**

Submission Guidelines

Authors should follow the *IEEE Transactions on Broadcasting* format described in the Information for Authors at <http://www.ieee.org/organizations/society/bt/authorinfo.htm> Please indicate that the submission is for the special issue on "IPTV in Multimedia Broadcasting."

Prospective authors should submit a PDF version of their paper to Jennifer Barbato at bt-pubs@ieee.org

Special Issue Guest Editors

Dr. Julien Maisonneuve

Alcatel-Lucent, France
julien.maisonneuve@alcatel-lucent.com

Prof. Thorsten Herfet

Faculty of Mathematics & Computer Science
Saarland University
Saarbrücken, Germany
thorsten.herfet@nt.uni-saarland.de

Christian Jacquenet

France Telecom, France
christian.jacquenet@orange-ftgroup.com

Hong Liu

Communications Research Center Canada
Ottawa, Canada
hong.liu@crc.ca

Dr. Glenn Adams

Extensible Formatting Systems, Inc.
Cambridge, MA, USA
gadams@xfsi.com

Thomas Stockhammer

Digital Fountain, Inc.
Fremont, CA, USA
stockhammer@digitalfountain.com

Dr. Masahito Kawamori

NTT Research Labs.
Kanagawa, Japan
kawamori.masahito@lab.ntt.co.jp

Dr. Wei Li

Communications Research Center Canada
Ottawa, Canada
wei.li@crc.ca