Call for papers

MobiMedia 2008
4th International Mobile Multimedia Communications Conference
July 7–9, 2008, Oulu, Finland

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SCOPE

The development and deployment of the multimedia services and applications in mobile environments requires adopting an interdisciplinary approach where both multimedia and networking issues are addressed jointly. Different type of semantic characteristics of media, human interpretation of audiovisual information, coding standards and interaction with networking, mobility and security protocols are research issues that need to be carefully examined when proposing new solutions. The efficient delivery and deployment of multimedia applications and services over emerging diverse and heterogeneous wireless networks is a challenging research objective. The research efforts e.g. for the 3G/4G and 3G LTE visions of interworking among heterogeneous technologies to achieve multimedia session continuity, retain multimedia QoS characteristics etc., amplifies the need to evaluate the conditions and restrictions under which delivery of such services can be accomplished. The demand for efficient multimedia communications can be also seen as one of main driving forces towards the Future Internet and Post-IP solutions. The interoperability of applications, transport and network protocols and radio access, as well as the demand for improved quality of service and user experience, security and mobility support creates a challenging study field and also possibilities for research of novel communication protocols and methods towards the Future Internet. In addition for the technical challenges caused by the increased amount of multimedia usage and delivery through different community services, peer-to-peer networks, Web, Internet IPTV etc. the multimedia delivery is also affecting to industry value chains, commerce transactions between businesses (B2B), and business and customers (B2C). Within this scope, MobiMedia is intended to provide a unique international forum for researchers from industry and academia, working in multimedia coding and mobile networking fields to study new applications, solutions, and standards. Original unpublished contributions are solicited that can improve the knowledge and practice in the integrated design of efficient technologies and the relevant provision of advanced mobile multimedia applications.

The conference key research areas include, but are not limited to

- **Application and channel coding paradigms**, including for example joint source and channel coding paradigms, scalable video coding, wireless and ad hoc network solutions, ciphering and authentication mechanisms.
- **Networking and transmission mechanisms** including for example transport and network protocol solutions, cross-layer techniques, rate control and adaptation mechanism for video delivery, impact of mobility and heterogeneous networks in multimedia delivery and p2p content delivery
- **Multimedia services**, business models and concepts, including for example new business models and service concepts, trust and security paradigms for multimedia delivery, test beds and experimentation platforms for multimedia.

PROGRAM

The conference will also include invited panels to facilitate for exchanging ideas and discussion, and specific sessions and workshops on focused interest areas. Submissions of proposals on workshops and special sessions on emerging topics are invited

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PAPERS

The conference invites original technical papers that were not previously published and are not currently under review for publication elsewhere. Topics include, but are not limited to:

- *Multimedia semantic characteristics in wireless, mobile and ubiquitous environments*
- *Multimedia QoS in wireless networks*
- *Extraction and usage of semantic information with multimedia*
- *Performance evaluation of multimedia services*
- *Multimedia Retrieval in wireless and mobile environments*
- *Mechanisms supporting triple-play services in emerging wireless networks*
- *Scalable Coding of multimedia in wireless and mobile networks*
- *Cross-Layer techniques for multimedia communications over wireless networks*
- *Joint source-channel coding*
- *Multimedia services over ad-hoc and wireless sensor networks*
- *Rate Control and Adaptation for wireless multimedia*
- *P2P multimedia streaming in wireless and mobile networks*
- *Transport protocols for multimedia in emerging wireless networks*
- *Mobile Content Delivery Networks*
- *Test and experimentation test beds for multimedia delivery*
- *Impact of heterogeneous wireless network environment and mobility*
- *Trust and security in multimedia delivery*
- *Service concepts and new business models.*

PAPER SUBMISSION

MobiMedia 2008 invites manuscripts that present original materials not previously published in, or currently under review by, another conference or journal. Submissions should be full-length papers of up to 7 pages (including all figures and references) formatted according to ACM publication template. Full-length papers should report on completed work and will be considered for oral presentations. A separate abstract of no longer than 200 words should be submitted as well. Submissions will be judged by their originality, significance, interest, clarity, relevance, and correctness.

POSTERS AND EXHIBITIONS

MobiMedia 2008 invites the poster and demonstration session parallel with the main conference event. These short papers should report on work in progress or discuss open problems, and will be considered for poster presentations. A maximum of 4 page proposal for poster/demonstration presentation for the session should be submitted to the Poster Session co-chairs. For information on exhibit space or sponsorship opportunities, please contact the corresponding conference Poster and Demosession Chair, General Co-Chairs and Conference Organizing Co-Chairs.

WORKSHOPS AND SPECIAL SESSIONS

Proposals for one-day workshops or special session to be held in conjunction with the conference are solicited. A maximum of 2 pages should be submitted which include the workshop name, its scope and a list of topic of interests. Proposals should be submitted to the Workshop Chairs. The call for workshops has been closed and information of the workshops will be available soon in the conference webpages

IMPORTANT DATES

Proposal for Workshops / Special Sessions	January 25, 2008
Full Papers :	March 14, 2008
Notification of Acceptance	May 2, 2008
Camera-ready Papers	May 24, 2008
Conference Dates	July 7–9, 2008