

CALL FOR PAPERS

MOBIMEDIA 2015

8th International Conference on Mobile Multimedia Communications

25-27 May, 2015 – Chengdu, China



Scope

Successfully deploying multimedia services and applications in mobile environments requires adopting an interdisciplinary approach where multimedia, networking and physical layer issues are addressed jointly. Content features analysis and coding, media access control, multimedia flow and error control, cross-layer optimization, Quality of Experience (QoE), media cloud, as well as mobility management and security protocols are research challenges that need to be carefully examined when designing new mobile media architectures. We also need to put a great effort in designing applications that take into account the way the user perceives the overall quality of the provided service.

Within this scope, MobiMedia is intended to provide a unique international forum for researchers from industry and academia, working on multimedia coding, mobile communications and networking fields, to study new technologies, applications 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 Original unpublished contributions are solicited that can improve the knowledge and practice in the integrated design of efficient technologies and the relevant provision of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.

Highlights

- The event is endorsed by the [European Alliance for Innovation](#), a leading community-based organisation devoted to the advancement of innovation in the field of ICT.
- All accepted paper will be published by ACM and submitted for indexing by SI, EI Compendex, Scopus, ACM Library, Google Scholar and many more.

Conference topics

Topics of interest include, but not limited to, the following:

- **Application and Multimedia/channel coding paradigms**, including for example joint source and channel coding paradigms, scalable video coding, wireless and ad hoc network solutions, ciphering and authentication.
- **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, p2p content delivery and medical cloud.
- **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.
- **Special track 1: Next Generation Communications and Networking Technologies**, including for example RAN and mobile backhaul, Energy-efficient green communications, Mobile/wireless content distribution, and Next-generation access networking.
- **Special track 2: Data Mining in Social Multimedia**, including for example Application of social network analysis, Application of social network mining, Social media advertisement algorithms and applications, Recommendation systems in social multimedia, Data mining in mobile communication, and Large scale image, video and audio mining.
- **Special track 3: Video Transmission Mechanism over Wireless Networks**, including for example Cross-layer-based video transmission technique, Protocols and algorithms design for distributed video transmission, Rate control and adaptation transmission mechanism for video delivery, Cloud-based video delivery, Energy efficiency analysis for wireless video transmission.

Important dates

- Full Paper Due 22 February 2015
- Tutorial Proposal 1 February 2015
- Acceptance Notification 20 March 2015
- Camera-ready Due 10 April 2015

Organizing committee

General Chair

Honggang Wang, University of Massachusetts Dartmouth, USA

General Co-Chairs

Min Chen, Huazhong University of Science and Technology

Wu Xiao, Southwest Jiaotong University

Technical Program Chairs

Yonggang Wen, Nanyang Technological University, Singapore

Liang Zhou, Nanjing University of Posts and Telecommunications

Sherali Zeadally, University of Kentucky, USA

Wei Wang, South Dakota State University, USA

Shaoren Wu, Ball State University, USA

Changqiao Xu, Beijing University of Post and Telecommunications, China

Workshops/ Tutorials Chairs

Kun Hua, Lawrence Technological University, USA

Dalei Wu, Massachusetts Institute of Technology

Qing Yang, Montana State University

Publication Chair

Jianjun Yang, University of North Georgia, USA

Publicity Chair

Tigang Jiang, University of Electronic, Science and Technology of China

Web Chair

Jianjun Yang, University of North Georgia

Local Chairs

Huanlai Xing, Southwest Jiaotong University, China

Hui Yang, Southwest Jiaotong University, China

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Workshops Proposals

The MobiMedia 2015 Conference caters for a limited number of workshops on dedicated session topics. The aim of these workshops is to discuss work in progress and explore opportunities for new research related to a topic of interest within the context of the conference.

A workshop proposal should contain:

- Title of the workshop
- A brief description of the specific technical issues that the workshop will address
- The reasons why the workshop is interesting and timely
- A draft call for papers, including the workshop submission deadlines
- Tentative composition of the organizing and program committees

Proposals for workshops should be at most four pages in length and must be submitted by electronic mail to:

- Prof. [Kun Hua](#), Lawrence Technological University, USA
- Dr. [Dalei Wu](#), Massachusetts Institute of Technology
- Prof. [Qing Yang](#), Montana State University

Keynote Speaker

- **Shiwen Mao**
McWane Associate Professor, Auburn University
smao@ieee.org
Topic: Multi-user Video Streaming in Cognitive Radio Networks: When QoS Meets Spectrum



Tutorials

Proposals should provide a focused lecture on new and emerging topics within the scope of the conference. Accepted and presented technical papers will be published in the Conference Proceedings.

All proposals should be submitted by electronic mail to:

- Prof. [Kun Hua](#), Lawrence Technological University, USA
- Dr. [Dalei Wu](#), Massachusetts Institute of Technology

Paper Submission

Papers will be judged on originality, correctness, clarity and relevance. Submitted papers must be original work, and may not be under consideration for another conference or journal.

Submission of the paper implies agreement of the author(s) to attend the conference and present the paper if accepted. Full details of submission procedures are available [here](#).

Publication

All accepted paper will be published by ACM and submitted for indexing by SI, EI Compendex, Scopus, ACM Library, Google Scholar and many more.

Selected papers will be invited to publish in the [EAI Endorsed Transactions on Mobile Communications and Applications](#).

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