

DMS 2014 Call For Papers

The Twentieth International Conference on Distributed Multimedia Systems

www.ksi.edu/seke/dms14.html

Wyndham Pittsburgh University Center, Pittsburgh, USA

August 27 - August 29, 2014

Organized by

Knowledge Systems Institute, USA

The main theme of the 20th International Conference on Distributed Multimedia Systems (DMS2014) is *Sentient Multimedia Systems*, which are distributed systems capable of actively interacting with the environment by gathering, processing, interpreting, storing and retrieving multimedia information originated from sensors, robots, actuators, websites and other information sources. The conference organizers seek contributions of high quality papers, panels or tutorials, addressing any novel aspect of sentient multimedia systems that significantly benefits from the incorporation/integration of multimedia data (e.g., visual, audio, pen, voice, image, etc.), for presentation at the conference and publication in the proceedings. Both research and case study papers or demonstrations describing results in research area as well as industrial development cases and experiences are solicited. The use of prototypes and demonstration video for presentations is encouraged.

DMS2014 Proceedings will be published as Special Issue of JVL

The Journal of Visual Languages and Computing (JVL), which is indexed by SCI, EI, DBLP, Scopus and other indexers, will publish the entire proceedings of DMS/VLC/DET2014 as the December 2014 special issue of JVL. The conference will first publish a preliminary proceedings available online only to authors and conference attendees. Papers will go through three rounds of reviews so that they can be further improved to meet the standard of JVL. The formal proceedings/JVL special issue will be available both in print and online.

Topics include but are not limited to:

Distributed and Sentient Multimedia Technology

- media coding, acquisition and standards
- QoS and Quality of Experience control
- digital rights management and conditional access solutions
- privacy and security issues
- mobile devices and wireless networks
- mobile intelligent applications
- sensor networks, environment control and management

Distributed and Sentient Multimedia Models and Systems

- human-computer interaction
- multimedia affective computing
- languages for distributed multimedia
- multimedia software engineering issues
- semantic computing and processing
- media grid computing, cloud and virtualization
- web services and multi-agent systems
- multimedia databases and information systems
- multimedia indexing and retrieval systems
- multimedia and cross media authoring

Applications of Distributed and Sentient Multimedia Systems

- collaborative and social multimedia systems and solutions
- humanities and cultural heritage applications, management and fruition
- multimedia preservation
- cultural heritage preservation, management and fruition
- distance and lifelong learning
- emergency and safety management
- e-commerce and e-government applications
- health care management and disability assistance
- intelligent multimedia computing
- internet multimedia computing
- virtual, mixed and augmented reality
- user profiling, reasoning and recommendations

Keynote Speakers

Levent Burak Kara, Carnegie Mellon University, USA; *Future of Shapes: How does information and fabrication technologies change the way we*

design?

Kia Ng, University of Leeds, UK; *Interactive Multimedia Systems and Multimodal Interfaces for Performing Arts*

Workshops and Special Sessions

This year, DMS2014 will be held in conjunction with workshops, conferences and special sections. Papers submitted to workshops or special sessions are invited by the program committee chairs of the workshops/sections. This joint organization aims to collect research results from different perspectives. The following workshops are being planned:

- International Workshop on Visual Languages and Computing (VLC)
- International Workshop on Distance Education Technology (DET)

The following special sessions are being planned:

- Multimedia Systems Security
- Affective Multimedia Systems

Please contact the conference program co-chairs if you are interested in organizing a workshop or a special session.

Hotel Information

The DMS2014 Conference will be held at the Wyndham Pittsburgh University Center, Pittsburgh, USA. A special daily rate of \$129 US dollars will be available during the conference period.

Information for authors

Papers must be written in English. An electronic version (PDF format) of the full paper should be submitted using the following URL: <https://www.easychair.org/conferences/?conf=dms2014z>. When submitting, select the track DMS14 or one of the two DMS14 special session tracks. Manuscript must include a 200-word abstract and no more than 8 pages of double column text (include figures and references). All submissions must not be published or under consideration for publication in a journal or in a conference with proceedings. Papers will be evaluated based on originality, significance, technical soundness and clarity of exposition. Depending upon the results of evaluation a paper may be accepted as regular paper (8 pages), short paper (5 pages) or poster (poster presentation only).

Information for reviewers

Papers submitted to DMS2014 will be reviewed online. The users (webmaster, program chair, reviewers...) can login using the following URL: <https://www.easychair.org/conferences/?conf=dms2014z>.

Contact Information

DMS2014 Conference Secretariat
Knowledge Systems Institute
156 Park Square, Pittsburgh, PA 15238, USA
E-mail: dms2014z@easychair.org

Important dates

Paper submission due: May 1, 2014

Notification of acceptance: June 1, 2014

Camera-ready copy: June 25, 2014

Early conference registration due: June 25, 2014

Second notification of paper revision: August 31, 2014

Revised paper for formal proceedings due: September 20, 2014

Third notification of paper revision: September 30, 2014

Final paper for formal proceedings due: October 20, 2014

Publication of formal proceedings: December 15, 2014

Conference Organization

Prof. S. K. Chang, Univ. of Pittsburgh, USA, Steering Comm. Chair
Prof. Paolo Nesi, Univ. of Florence, Italy, General co-chair
Prof. K. C. Ng, Univ. of Leeds, UK, General co-chair
Prof. Erland Jungert, Föi Linköping, Sweden, PC co-chair
Prof. Wei Lu, Beijing Jiaotong Univ. China, PC co-chair