

DMS 2015 Call For Papers

The Twenty First International Conference on Distributed Multimedia Systems

www.ksi.edu/seke/dms15.html

Hyatt Regency, Vancouver, Canada

August 31 – September 1, 2015

Organized by

Knowledge Systems Institute, USA

The main theme of the 21st International Conference on Distributed Multimedia Systems (DMS2015) 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 and JVLC journal. 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.

An extra large special issue of JVLC

The Journal of Visual Languages and Computing (JVLC), which is indexed by SCI, EI, DBLP, Scopus and other indexers, will publish around forty selected papers of DMS/VLC/DET2015 in the December 2015 extra large special issue of JVLC. The conference will publish the proceedings available to authors and conference attendees. Selected papers will go through three rounds of reviews so that they can be further improved to meet the standard of JVLC.

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

Workshops and Special Sessions

This year, DMS2015 will be held in conjunction with workshops and special sections. Papers submitted to workshops or special sessions are

invited by the program committee chairs of the workshops/special sessions. This joint organization aims to collect research results from different perspectives. The following workshops are being planned:

- International Workshop on Visual Languages and Computing (VLC15)
- International Workshop on Distance Education Technology (DET15)

The following special session is being planned:

- New Technologies for Cultural Heritage

Please contact DMS15 conference secretariat if you are interested in organizing a workshop or a special session.

Hotel Information

The DMS2015 Conference will be held at the Hyatt Regency, Vancouver, Canada. A special daily rate of \$159 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=dms20150>. When submitting, select the main conference DMS15 or one of the two workshops DET15 or VLC15. Manuscript must include a 200-word abstract and no more than 8 pages of double column text (including 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 (10 pages), short paper (7 pages) or technical notes (1 page and demo/poster presentation).

Information for reviewers

Papers submitted to DMS2015 will be reviewed online. The users (webmaster, program chair, reviewers...) can login using the following URL: <https://www.easychair.org/conferences/?conf=dms20150>.

Contact Information

DMS2015 Conference Secretariat
Knowledge Systems Institute
156 Park Square, Pittsburgh, PA 15238, USA
E-mail: dms2015-0@easychair.org

Important dates

Paper submission due: June 1, 2015

Notification of acceptance: June 30, 2015

Camera-ready copy of revised paper: July 20, 2015

Early conference registration due: July 20, 2015

Invitation of submission to JVLC Special Issue: August 10, 2015

Paper submission to JVLC: September 1, 2015

Notification of JVLC paper acceptance: October 1, 2015

Final paper for JVLC due: October 20, 2015

Publication of JVLC Special Issue: December 15, 2015

Conference Organization

S. K. Chang, Univ. of Pittsburgh, USA, Steering Comm. Chair
Erland Jungert, Föi Linköping, Sweden, DMS General chair
Angela Guercio, Kent State University, USA; DMS Program Chair
Mahbubur Syed, Minnesota State Univ., USA; DMS Program Co-Chair
Paolo Maresca, Univ. of Napoli Federico II, Italy; DET Workshop Chair
Maiga Chang, Athabasca University, Canada; DET Program Chair
Rita Francese, University of Salerno, Italy; DET Program Co-Chair
Franklyn A Turbak, Wellesley College, USA; VLC Workshop Chair
Gem Stapleton, University of Brighton, UK; VLC Program Chair
Kao-Shing Hwang, National Chung Cheng Univ., Taiwan; Publicity Chair
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