



Call for Papers

<http://ism.eecs.uci.edu/>

IEEE Intl. Symposium on Multimedia 2012 (ISM2012)

Irvine, California, USA

December 10-12, 2012



at Hyatt Regency Irvine

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The IEEE International Symposium on Multimedia (ISM2012) is an international forum for researchers to exchange information regarding advances in the state-of-the-art and practice of multimedia computing, as well as to identify emerging research topics and define the future of multimedia computing. The technical program of ISM2012 will consist of invited talks, paper presentations, demonstrations and panel discussions.
Please refer to the conference website for further information: <http://ism.eecs.uci.edu/>

SUBMISSIONS

Authors are invited to submit **Regular Papers** (8-page technical paper), **Short Papers** (4-page technical paper), **Demonstration Papers and Posters** (2 page technical paper), **PhD Workshop Papers** (2 pages), and **Workshop Proposals** as well as **Industry Track Papers** (8-page technical paper) which will be included in the proceedings. A main goal of this program is to present research work that exposes the academic and research communities to challenges and issues important for the industry. More information is available on the ISM2012 web page. The Conference Proceedings will be published by IEEE Computer Society Press. Distinguished quality papers presented at the conference will be selected for publication in internationally renowned journals, among them the IEEE Transactions on Multimedia.

AREAS OF INTEREST INCLUDE (but are not limited to):

Multimedia Systems and Architectures
 Architecture and applications, GPU-based architectures and systems, mobile multimedia systems and services, pervasive and interactive multimedia systems including mobile systems, pervasive gaming, and digital TV, multimedia/HD display systems, multimedia in the Cloud, software development using multimedia techniques.

Multimedia Interfaces
 Multimedia information visualization, interactive systems, multimodal interaction, including human factors, multimodal user interfaces: design, engineering, modality-abstractions, etc., multimedia tools for authoring, analyzing, editing, browsing, and navigation, novel interfaces for multimedia etc.

Multimedia Coding, Processing, and Quality Measurement
 Audio, video, image processing, and coding, coding standards, audio, video, and image compression algorithms and performance, scalable coding, multi-view coding, 3D/multi-view synthesis, rendering, animation coding, noise removal techniques from multimedia, panorama, multi-resolution or super-resolution algorithms, etc.

Multimedia Content Understanding, Modeling, Management, and Retrieval
 Multimedia meta-modeling techniques and operating systems, computational intelligence, vision, storage/archive systems, databases, and retrieval, multimedia/video/audio segmentation, etc.

Multimedia Communications and Streaming
 Multimedia networking and QoS, synchronization, HD video streaming, mobile audio/video streaming, wireless, scalable streaming, P2P multimedia streaming, multimedia sensor networks, internet telephony, hypermedia systems, etc.

Multimedia Security
 Multimedia security including digital watermark and encryption, copyright issues, surveillance and monitoring, face detection & recognition algorithms, human behavior analysis, multimedia forensics, etc.

Multimedia Applications
 3D multimedia: graphics, displays, sound, broadcasting, interfaces, multimedia composition and production, gaming, virtual and augmented reality, applications for mobile systems, multimedia in social network analysis: YouTube, Flickr, Twitter, Facebook, Google+, etc., e-learning, etc.

IMPORTANT DATES

- * Mar 15th, 2012: Workshop Proposal Submission
- * Mar 30th, 2012: Workshop Notification
- * Jun 8th, 2012: Panel Proposal Submission
- * Jul 8th, 2012: Regular & Short Paper Submission

- * Jul 8th, 2012: Industry Paper Submission
- * Jul 22nd, 2012: Demo Proposal Submission
- * Jul 22nd, 2012: PhD Workshop Paper Submission
- * Aug 24th, 2012: Panel Notification
- * Aug 24th, 2012: Paper and Demo Notification