ICMI 2011 — Alicante, Spain, November 14-18

Call for Papers

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The International Conference on Multimodal Interaction, ICMI 2011, will take place in Alicante (Spain), November 14-18, 2011, just after the ICCV 2011 (in Barcelona, Spain). This is the thirteenth edition of the International Conference on Multimodal Interfaces, which for the last two years joined efforts with the Workshop on Machine Learning for Multimodal Interaction (ICMI-MLMI 2009 and 2010). Starting in this edition the conference uses the new, shorther name.

The new ICMI is the premium international forum for multimodal signal processing and multimedia human-computer interaction. The conference will focus on theoretical and empirical foundations, varied component technologies, and combined multimodal processing techniques that define the field of multimodal interaction analysis, interface design, and system development. ICMI 2011 will feature a single-track main conference which includes: keynote speakers, technical full and short papers (including oral and poster presentations), special sessions, demonstrations, exhibits and doctoral spotlight papers. The conference will be followed by workshops. The proceedings of ICMI 2011 will be published by ACM as part of their series of International Conference Proceedings and will be also distributed to the attendees in USB memory sticks.

Topics of interest include but are not limited to:

- Multimodal and multimedia interactive processing: multimodal fusion, multimodal output generation, multimodal interactive discourse and dialogue modeling, machine learning methods for multimodal interaction.

- Multimodal input and output interfaces: gaze and vision-based interfaces, speech and conversational interfaces, pen-based and haptic interfaces, virtual/augmented reality interfaces, biometric interfaces, adaptive multimodal interfaces, natural user interfaces, authoring techniques, architectures.

- Multimodal and interactive applications: Mobile and ubiquitous interfaces, meeting analysis and meeting spaces, interfaces to media content and entertainment, human-robot interfaces and interaction, audio/speech and vision interfaces for gaming, multimodal interaction issues in telepresence, vehicular applications and navigational aids, interfaces for intelligent environments, universal access and assistive computing, multimodal indexing, structuring and summarization.

- Human interaction analysis and modeling: modeling and analysis of multimodal human-human communication, audio-visual perception of human interaction, analysis and modeling of verbal and nonverbal interaction, cognitive modeling.

- Multimodal and interactive data, evaluation, and standards: evaluation techniques and methodologies, annotation and browsing of multimodal and interactive data, standards for multimodal interactive interfaces.

- Core enabling technologies: pattern recognition, machine learning, computer vision, speech recognition, gesture recognition.

Important dates

Workshops proposal	March 1, 2011
Paper and demo submission	May 13, 2011
Author notification	August 5, 2011
Camera ready deadline	September 02, 2011
Conference	November 14-16, 2011
Workshops	November 17-18, 2011

http://www.acm.org/icmi/2011