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SMC 2012 Call for Papers <http://www.smc2012.org>

Special Session on QoE-based Multi-device Interaction

Organized by the SMC TC on Human Perception in Vision, Graphics and Multimedia

Special Session Organizers:

Haohong Wang, TCL, USA
haohongwang@gmail.com
Khaled El-Maleh, Qualcomm, USA
kelmaleh@qualcomm.com
Irene Cheng, U of Alberta, Canada
locheng@ualberta.ca

Program Committee

Zhibo Chen, Technicolor, China
zhibo.chen@technicolor.com
Frederic Dufaux, CNRS, Telecom Paris Tech, France
frederic.dufaux@telecom-paristech.fr
Pourang Irani, University of Manitoba, Canada
irani@cs.umanitoba.ca
George Margetis, HCI Lab. FORTH, Greece,
gmarget@ics.forth.gr
Stefano Mattoccia, DEIS, University of Bologna, Italy
smatt@iee.org
Lingfen Sun, University of Plymouth, UK.
l.sun@plymouth.ac.uk
Dihong Tian, Cisco Systems, Inc, USA
dtian@cisco.com

Multimedia and visual communication is commonly used in many applications, such as games, education, medical visualization, and immersive environments involving the latest human-machine interaction devices. In pace with the rapidly evolving 3DTV and mobile technology, users' increasing appetite for higher quality visualization and interaction techniques have driven researchers and developers to search for breakthroughs in order to enhance viewing and interaction experience. One major success factor driving these technological privileges is to sustain satisfactory Quality of Experience (QoE) so as to keep the consumers engaged. By organizing this Special Session, we aim to provide rewarding R&D discussions and exchanges for advancing human-machine interaction techniques, in particular in a multiple device setup. We will explore various QoE metrics deploying objective measurements and subjective qualitative user studies, which are essential for assessing the effectiveness of multi-device interaction.

Human-Machine Systems related topics of Interest include but are not limited to:

- Innovations in multi-device interaction
- Novel user interaction scheme
- Sensor technology for seamless device interaction
- Computer vision and machine learning for enhancing interaction
- Media streaming for device interaction
- Media analysis and processing for device interaction
- Cloud computing for device interaction
- Quality of Experience (QoE) measurement for device interaction

Important Dates:

April 15, 2012:

Deadline for submission of full-length papers

June 15, 2012:

Acceptance/Rejection notification

July 31, 2012

Deadline for final camera-ready papers submission



Submission:

Manuscripts for a Special Session should **NOT** be submitted in duplication to any other regular or special sessions and should be submitted to SMC 2012 main conference online submission system on SMC 2012 conference website. All submitted papers of Special Sessions will undergo the same review process (three completed reviews per paper) as regular conference paper.