

## Call for Papers

IEEE International Workshop on Multimedia Communications (MMCOM2012)

### **Quality of Experience for Multimedia Communications**

Second Annual Workshop of IEEE Multimedia Communications Technical Committee (MMTC)

Organized in conjunction with

**IEEE Global Communications Conference (GLOBECOM 2012)**

3-7 December 2012, Anaheim, California, USA

It is now widely acknowledged that the adoption of new multi-modal media necessitates mechanisms in order to assess and evaluate perceived multimedia quality. The problem of understanding and enhancing Quality of Experience (QoE) in complex, distributed and diverse environments has been and is continuing to be the subject of intense research investigation. Considerable efforts have been devoted to assessing QoE via objective or subjective means for new and emerging multimedia services over modern fixed/mobile devices (e.g. IPTV/HDTV/3DTV, Tablet video call, 3D smartphone). As of today though we do not know how to manage and control QoE in a diverse heterogeneous environment. The variables that affect QoE are just too many and span several disciplinary areas, including multiple technologies, but also psychology and sociology factors. Despite the efforts devoted to QoE studies, managing and controlling user QoE is still an open issue.

#### **Topics of interest**

The Second Annual Workshop of IEEE Multimedia Communications Technical Committee (MMTC) focusing on Quality of Experience for Multimedia Communications Workshop will bring together researchers from academia and industry, to identify and discuss technical challenges, exchange novel ideas, explore enabling technologies, and report latest research efforts that cover a variety of topics including, but not limited to:

- QoE relation and mapping to QoS
- KPI and KQI for the QoE definition
- QoE models, their applications and use cases
- QoE inference from user behavior
- QoE evaluation methodologies and metrics (subjective, objective, online versus offline)
- QoE for new wireless multimedia applications
- QoE-based routing and resource management
- QoE-aware cross-layer design
- QoE-based optimization in heterogeneous environments
- QoE Metrics for various media applications
- QoE Control, Monitoring and Management strategies
- Standardization activities for QoE

#### **Submission Procedure**

Submitted papers must represent original material which is not currently under review in any other conference or journal and has not been previously published. Paper length should not exceed five-pages standard IEEE conference two-column format (including all text, figures, and references). Please refer to the workshop web pages for submission instructions: <http://qoe.diee.unica.it>

All accepted and presented papers will be included in the IEEE GLOBECOM 2012 proceedings. IEEE reserves the right to exclude an accepted and registered but not presented paper from the IEEE digital library. Extended versions of selected best papers will be recommended for publication in Special Issues of prestigious International Journals.

#### **Workshop Co-Chairs:**

Periklis Chatzimisios, Alexander TEI of Thessaloniki, Greece

Tasos Dagiuklas, TEI of Mesolonghi, Greece

Chang Wen Chen, University at Buffalo, State University of New York, USA

Luigi Atzori, University of Cagliari, Italy

#### **Important Dates**

Manuscript submission: ~~June 15, 2012~~ **June 30, 2012**

Acceptance Notification: **August 15, 2012**

Camera-ready: **September 15, 2012**

<http://qoe.diee.unica.it>