

# Program

**Monday, 29 August 2016**

## Keynote

- Jan van Looy (Ghent University, Belgium): *'It is Like a Jungle Out There!': The Challenges of Measuring Quality of Game Experience*

## Session 1: Eye

- *Eye Gaze-based Service Provision and QoE Optimization* by Pietro Lungaro and Konrad Tollmar (Royal Institute of Technology (KTH), Sweden)
- *Enhancing Video Streaming Using Real-Time Gaze Tracking* by Sebastian Arndt (Norwegian University of Science and Technology, Norway); Jan-Niklas Antons (Technische Universität Berlin & Telekom Innovation Laboratories, Germany)

## Special Session 2: Gaming

- *Impact of traffic optimisation on QoE of a MMORPG* by Mirko Suznjevic (University of Zagreb, Croatia); Jose Saldana (University of Zaragoza, Spain); Maja Matijasevic and Matko Vuga (University of Zagreb, Croatia)
- *A Comprehensive End-to-End Lag Model for Online and Cloud Video Gaming* by Florian Metzger (University of Duisburg-Essen, Germany); Albert Rafetseder (University of Vienna, Austria); Christian Schwartz (University of Wuerzburg, Germany)
- *Assessing the Accuracy of Network Estimations in the DOTA 2 Game Client* by Matthias Hirth (University of Wuerzburg, Germany); Fabian Allendorf (University of Würzburg, Germany); Florian Metzger (University of Duisburg-Essen, Germany); Christian Schwartz (University of Wuerzburg, Germany)

## Session 3: HCI

- *Analyzing the Usability and User Experience of an Adaptive Geographic Information System* by Dénes Máté Bencze (TU Berlin, Germany); Axel Lüdtke (InterfaceMA GmbH, Germany); Sebastian Möller (Quality and Usability Lab, Telekom Innovation Labs, TU Berlin, Germany)
- *Contextual Sidebar: Effect of Context Information Quality on the Usability of a Context-aware Application* by Sebastian Möller (Quality and Usability Lab, Telekom Innovation Labs, TU Berlin, Germany); Hantang Liu (TU Berlin, Germany); Axel Spriestersbach (SAP Research, Germany)
- *User Experience in Authentication Research: A Survey* by Lydia Kraus (Technische Universität Berlin & Quality and Usability Lab, Germany); Jan-Niklas Antons (Technische Universität Berlin & Telekom Innovation Laboratories, Germany); Felix Kaiser (Technische Universität Berlin, Germany); Sebastian Möller (Quality and Usability Lab, Telekom Innovation Labs, TU Berlin, Germany)

**Tuesday, 30 August 2016**

**Keynote**

- Dominik Strohmeier (Senior Product Manager, Platform Metrics, Mozilla): *Quality of Experience as Engineering Goals*

**Session 4: Fundamentals**

- *A Theoretical Approach to the Formation of Quality of Experience and User Behavior in Multimedia Services* by Werner Robitza (Deutsche Telekom AG, Germany); Sabine Schönfellner (Karl-Franzens Universität Graz, Austria); Alexander Raake (Technische Universität Ilmenau, Germany)
- *On Additive and Multiplicative QoS-QoE Models for Multiple QoS Parameters* by Tobias Hoßfeld (University of Duisburg-Essen, Germany); Lea Skorin-Kapov (University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia); Poul E. Heegaard (Norwegian University of Science and Technology & NTNU, Norway); Martín Varela (VTT Technical Research Centre of Finland, Finland); Kuan-Ta Chen (Academia Sinica, Taiwan)
- *Experiential Qualities and Quality of Experience in Storytelling, and Their Measurability* by Chenyan Zhang and Aud Sissel Hoel (Norwegian University of Science and Technology, Norway); Andrew Perkis (NTNU, Norway)
- *Towards context-aware interactive Quality of Experience evaluation for audiovisual multiparty conferencing* by Marwin Schmitt (CWI: Centrum Wiskunde & Informatica, The Netherlands); Judith Redi (Delft University of Technology, The Netherlands); Pablo Cesar (CWI, The Netherlands)

**Session 5: Audio & Conferencing**

- *The impact of bandwidth limitations and video resolution size on QoE for WebRTC-based mobile multi-party video conferencing* by Dunja Vucic (University of Zagreb Faculty of Electrical Engineering and Computing, Croatia); Lea Skorin-Kapov (University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia); Mirko Suznjevic (University of Zagreb, Croatia)
- *Instrumental Assessment of Near-end Perceived Listening Effort* by Jan Reimes (HEAD Acoustics GmbH, Germany)
- *Objective Speech Quality Estimation of In-Ear Microphone Speech* by João Felipe Santos (INRS-EMT, Canada); Rachel Bouserhal (École de Technologie Supérieure, Canada); Jeremie Voix (ETS, Canada); Tiago Falk (INRS-EMT, Canada)
- *Non-intrusive Estimation of Noisiness as a Perceptual Quality Dimension of Transmitted Speech* by Friedemann Köster (Quality and Usability Lab, Technische Universität Berlin); Gabriel Mittag (Quality and Usability Lab, Technische Universität Berlin, Germany); Tim Polzehl (Technical University of Berlin, Germany); Sebastian Möller (Quality and Usability Lab, Telekom Innovation Labs, TU Berlin, Germany)

## Session 6: Networking

- *Effects of Network Performance on Smartphone User Behavior* by Luis Guillermo Martinez Ballesteros (KTH Royal Institute of Technology & Radio Systems Lab, Sweden); Markus Örbloom (KTH Royal Institute of Technology, Sweden); Jan Markendahl (Royal Institute of Technology, Sweden); Per Skillermark (Ericsson Research, Sweden); Konrad Tollmar (Royal Institute of Technology (KTH), Sweden)
- *User Experience Measurement of a Static Website Compared to a Responsive Website using AttrakDiff Mini* by Alexander Fiebig and Marc Halbrügge (Technische Universität Berlin, Germany); Lydia Kraus (Technische Universität Berlin & Quality and Usability Lab, Germany)
- *Investigating the Extent and Impact of Time-Scaling in WebRTC Voice Over IP Traffic Under Light, Moderate and Heavily Congested Wi-Fi APs* by Mohannad Alahmadi, Yusuf Cinar and Hugh Melvin (National University of Ireland, Galway, Ireland); Peter Pocta (University of Zilina, Slovakia)

## Wednesday, 31 August 2016

### Session 7: Video

- *Comparison of EWPSNR and MOS on an Eye-tracking Labelled Video Dataset* by Saman Zadtootaghaj (Telekom Innovation Labs, Deutsche Telekom AG, Germany); Hamed Ahmadi (Multimedia Processing Laboratory (MPL), University of Tehran, Iran); Sebastian Möller (Quality and Usability Lab, Telekom Innovation Labs, TU Berlin, Germany)
- *Impact of user emotion and video content on video Quality of Experience* by Hajer Gahbiche Msakni (High School of Computer Science and Communications Technics, Tunisia)
- *Perceived Intra-Frame Dynamic Range In Cinema Environments* by Tine Vyvey and Elena Nunez Castellar (Ghent University, Belgium); Dirk Maes and Bruno Vandeveld (Barco nv., Belgium); Jan Van Looy (Ghent University, Belgium)
- *Viva la Resolution: The Perceivable Differences between Image Resolutions for Light Field Displays* by Péter Kara (Kingston University, United Kingdom); Peter Tamas Kovacs (Holografika, Hungary); Maria G. Martini (Kingston University, United Kingdom); Attila Barsi and Kristof Lackner (Holografika, Hungary); Tibor Balogh (Holografika Kft, Hungary)

### **Special Session 8: Crowd**

- *Worker's Cognitive Abilities and Personality Traits as Predictors of Effective Task Performance on Crowdsourcing Tasks* by Vaggelis Mourelatos and Manolis Tzagarakis (University of Patras, Greece)
- *Reported Attention as a Promising Alternative to Gaze in IQA Tasks* by Vlad Hosu (University of Konstanz, Germany); Franz Hahn (Universität Konstanz, Germany); Igor Zingman and Dietmar Saupe (University of Konstanz, Germany)
- *One Shot Crowdttesting: Approaching the Extremes of Crowdsourced Subjective Quality Testing* by Michael Seufert (University of Würzburg, Germany); Tobias Hoßfeld (University of Duisburg-Essen, Germany)
- *Size does matter. Comparing the results of a lab and a crowdsourcing file download QoE study* by Andreas Sackl (AIT Austrian Institute of Technology, Austria); Bruno Gardlo (Telecommunications Research Center Vienna (FTW), Austria); Raimund Schatz (Austrian Institute of Technology (AIT), Austria)

### **Session 9: Methodology**

- *Longitudinal User Experience of a Mobile Service* by Stefan Schaffer (German Research Center for Artificial Intelligence, Germany); Rene Kelpin (DLR, Germany); Norbert Reithinger (German Research Center for Artificial Intelligence, Germany)
- *Exemplary Test Design and Evaluation of an Autostereoscopic 3DTV* by Ruth Schultheis (Technische Universität Ilmenau, Germany); Sara Kepplinger and Frank Hofmeyer (Ilmenau University of Technology, Germany); Nikolaus Hottong (Hochschule Furtwangen University, Germany)
- *A Novel Approach to Multimedia Research Test Beds: Containerisation and Native Network Emulator* by Yusuf Cinar and Hugh Melvin (National University of Ireland, Galway, Ireland); Peter Pocta (University of Zilina, Slovakia); Mohannad Alahmadi (National University of Ireland, Galway, Ireland)