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## IEEE IM QoE Management 2017 : IFIP/IEEE Int. Workshop on Quality of Experience Management


 Link: <http://qoe.community/qoe-management>

<b>When</b>	May 8, 2017 - May 8, 2017
<b>Where</b>	Lisbon, Portugal
<b>Abstract Registration Due</b>	Jan 2, 2017
<b>Submission Deadline</b>	Jan 5, 2017
<b>Notification Due</b>	Jan 30, 2017
<b>Final Version Due</b>	Feb 15, 2017

**Categories** [qoe](#) [network management](#) [networking](#)

### Call For Papers

1st IFIP/IEEE Int. Workshop on Quality of Experience Management  
<http://qoe.community/qoe-management>

Co-located with IEEE IM, May 8-12, 2017 - Lisbon, Portugal  
<http://im2017.ieee-im.org/>

#### Call for Papers

The First IFIP/IEEE International Workshop on Quality of Experience Management (QoE-Management) will be held May 8th 2017 in conjunction with IFIP/IEEE IM 2017 in Lisbon, Portugal. Building on the success of the QCMAN (<http://qcman.org>) and QoE-FI workshop series (<http://qoe-fi.diee.unica.it/2016/>), the workshop is supported by AIT Austrian Institute of Technology, RWTH Aachen, London South Bank University, and VTT Finland. The workshop is endorsed by the QoE and Networking Initiative (<http://qoe.community>) and the IEEE MMTC QoEIG.

Recent technological advances have enabled a constant proliferation of novel immersive and interactive services that pose ever-increasing demands to our communication ecosystem. Examples are: social TV, immersive environments, mobile gaming, Ultra High Definition (4K/8K), 3D virtual worlds, Augmented Reality, just to cite a few. These services and applications are typically managed through a set of Quality of Service parameters (e.g. packet loss, delay, jitter). However, it is widely agreed that the management of these services and applications should be centered on their quality, as this is perceived by the end user: the Quality of Experience (QoE). This QoE-centric management is greatly challenged in today's Internet by (i) the stringent QoE requirements of the supported services and applications (e.g., timing constraints, loss intolerance) and users (e.g., unpredictability of user behavior, request for high quality services), (ii) the plethora of service consumption possibilities (e.g., for video: live vs. on-demand, managed vs. over-the-top), (iii) the inherent complexity of services and applications (combining video, audio, real-time text) which can be offered to users in several ways, to reach the same QoE level and (iv) the difficulty in assessing the quality as perceived by the end user also due to insufficient insight in the psychological and sociological factors of service and application consumption.

QoE-Management 2017 aims at providing an international forum for researchers addressing these challenges. The workshop will combine original full and short paper presentations with a motivating keynote to thoroughly explore this challenging topic.

#### \*Topics of Interest\*

Topics of interest for submissions include, but are not limited to:

- \* QoE-aware network and application management
- QoE management in heterogeneous networks
- Energy efficient QoE management
- Cooperative approaches towards QoE management
- Adaptive QoE management
- Self-organization techniques for the management of multimedia services

- \* Application of QoE management to different business sectors and use cases
  - Smart city, transport and automotive
  - Healthcare and AAL
  - Intelligent manufacturing, Industry 4.0
  - Immersive Media (3D, AR and VR)
  - Real-time, Web- and Cloud applications
  - Business aspects of QoE management
- \* Experimental approaches for QoE management
  - Subjective studies in commercial settings and controlled lab environments
  - Experimental facilities for evaluation of algorithms and services in the context of QoE management
- \* Characterization of QoE
  - Relationships between QoE and QoS and their exploitation in the context of multimedia networking
  - Objective & subjective QoE assessment of managed multimedia delivery systems
- \* QoE oriented coding
  - Streaming aware video encoding
  - QoE oriented coding for multimedia streaming
  - Energy aware media coding and decoding
- \* QoE monitoring and measurement
  - Big Data and analytics-driven QoE monitoring approaches
  - Effects of Internet performance on QoE
  - QoE monitoring approaches in the wild

In addition, we encourage the submission of novel, provocative ideas or late breaking results that have the potential to generate lively debate and new perspectives as short papers. These are planned to be presented in a dedicated session which will help the authors to collect important feedback and inspire future work on the proposed topic.

**\*Important Dates\*:**

- \* Paper registration: Jan 02, 2017 (extended)
- \* Paper submission: Jan 05, 2017 (extended)
- \* Notifications: January 30, 2017
- \* Camera ready: Feb 15, 2017
- \* Workshop: May 8, 2017

**\*Submission Guidelines\*:**

Paper submissions must present original, research or experiences. Late-breaking advances and work-in-progress reports from ongoing research are also encouraged. Only original papers that have not been published or submitted for publication elsewhere can be submitted.

Each submission must be written in English, accompanied by a 75 to 200 word abstract and a list of up to 5 key words. There is a length limitation of 6 pages for full papers and 3 pages for short papers (including title, abstract, figures, tables, and references). Submissions must be in IEEE 2-column style. Papers exceeding these limits, multiple submissions, and self-plagiarized papers will be rejected without further review.

All submissions must be original, unpublished, and not considered elsewhere for publication. We invite submissions up to 6 pages long (10pt font, double column, IEEE format), including text, figures and references.

IEEE LaTeX and Microsoft Word templates, as well as formatting instructions, are available online:  
[http://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](http://www.ieee.org/conferences_events/conferences/publishing/templates.html)

Each paper will undergo a thorough process of peer reviews by at least three members of the technical program committee. Accepted and presented papers will be published in the conference proceedings and submitted to IEEE Xplore.

Submission implies that at least one author will register and attend the workshop to present the publication if the paper is accepted.

Contributions should be submitted electronically as PDF, using the IEEE conference publishing template, via the conference submission website: [https://submissoes.sbc.org.br/im2017\\_qoemanagement2017](https://submissoes.sbc.org.br/im2017_qoemanagement2017)

**\*Organizing Committee\*:**

- \* Raimund Schatz, AIT Austrian Institute of Technology
- \* Oliver Hohlfeld, RWTH Aachen University
- \* Martin Varela, VTT Technical Research Centre of Finland
- \* Tasos Dagiuklas, London South Bank University

For more information please refer to the workshop website  
<http://qoe.community/qoe-management>

### Related Resources

- [QRS 2019](#) The 19th IEEE International Conference on Software Quality, Reliability, and Security
- [SCAI 2018](#) 7th International Conference On Soft Computing, Artificial Intelligence And Applications
- [QoE-Management 2019](#) 3rd International Workshop on Quality of Experience Management
- [ORAJ 2018](#) Operations Research and Applications: An International Journal
- [MDM 2019](#) 20th IEEE International Conference on Mobile Data Management
- [IJGCA 2018](#) International Journal of Grid Computing & Applications
- [SSCI 2019](#) The 2019 IEEE Symposium Series on Computational Intelligence
- [NCS 2018](#) 10th International Conference on Network and Communications Security
- [IJIBM 2019](#) Call For Papers - International Journal of Information, Business and Management
- [SIPM 2019](#) 7th International Conference on Signal Image Processing and Multimedia

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