

Journal Focusing on QoE - Proposition

1. Why This Topic Is and Will Be Important in the Future

Currently Internet or any other packet network can be used by many different applications. Therefore, focusing and measuring network link quality is limited since different applications can react differently even if the link quality is exactly the same. In order to solve this problem, the term of QoE (Quality of Experience) was introduced. QoE covers many different aspects, and still there is no clear definition. Nevertheless, one of the main QoE features is seeing a service from user perspective not only as some set of technical features. As such QoE calls for cooperation between different fields of science like psychology and social science. Moreover, there are topics closely related to QoE but not exactly the same like Quality of Resilience or Quality of Recognition. All those topics are just at the beginning of their development. The proposed journal can join results from those fields in one place used as a reference for the scientific community working on QoE related topics.

We also propose to create a section of the journal ("Extended Peer Review Section"), which will publish only papers, that have passed an extended peer review. The proposed process is as follows:

- 1) A paper is published in the journal in a normal track, following standard peer review
- 2) Excellent papers are invited to the extended review. If the authors agree, they are obliged to share all source data, algorithms and tools that have been used.
- 3) A panel of reviewers performs an in-depth analysis of the source data and the obtained results.
- 4) The results of the review are published in the "Extended Peer Review Section" as a joint publication between the authors of the paper and the publishers in form of a discussion.

Such unusual approach (for IT journals, at least) will:

- 1) Make the journal outstanding among others
- 2) The "Extended Peer Review Section" will have a potential of being the most prestigious area to publish in the QoX area

2. The List of Journals Publishing Related Topics Right Now

As it can be clearly seen from the attached list, there is no well established place for publications on QoX. The papers are fragmented over approximately 40 different journals. The

location of publication sometimes does not suit the topic of paper well. This calls for establishing of one place that will aggregate the papers of the QoX field. The list takes into account only papers that have the phrase "Quality of Experience" in the title or keywords.

- According to IEEE Xplore papers on Quality of Experience have been published in the following journals (with number of papers in the last 10 years)
 - Communications, IET 4
 - Network, IEEE 9
 - Networking, IEEE/ACM Transactions on 1
 - Communications Magazine, IEEE 19
 - Consumer Electronics, IEEE Transactions on 7
 - Multimedia, IEEE 2
 - Broadcasting, IEEE Transactions on 12
 - Communications Surveys & Tutorials, IEEE 1
 - Multimedia, IEEE Transactions on 5
 - Latin America Transactions, IEEE (Revista IEEE America Latina) 2
 - Instrumentation and Measurement, IEEE Transactions on 1
 - Systems Journal, IEEE 1
 - Selected Areas in Communications, IEEE Journal on 3
 - Selected Topics in Signal Processing, IEEE Journal of 1
 - Internet Computing, IEEE 3
 - Electronics Letters 1
 - Computer 1
 - Parallel and Distributed Systems, IEEE Transactions on 1
 - Signal Processing Magazine, IEEE 1
 - Communications and Networks, Journal of 2
 - Communications Letters, IEEE
 - Proceedings of the IEEE 2
- According to ACM digital library papers of quality of Experience have been published in the following journals (with number of papers in the last 10 years):
 - International Journal of Learning Technology 1
 - Wireless Personal Communications: An International Journal 1
 - IEEE MultiMedia 1
 - Computer Communications 3
 - Multimedia Tools and Applications 2
 - Journal of Visual Communication and Image Representation 4
 - International Journal of Communication Networks and Distributed Systems 1
 - Journal of Network and Computer Applications 1
 - Transactions on Internet Technology (TOIT) 1
 - Distributed and Parallel Databases 1
 - Netnomics 1
 - IEEE Internet Computing 1
 - International Journal of Communication Systems 1
 - International Journal of Ad Hoc and Ubiquitous Computing 1
 - Intelligent Decision Technologies 1
 - International Journal of Internet Protocol Technology 2
 - Image Communication 1
 - Computer Networks: The International Journal of Computer and Telecommunications Networking

3. The List of Conferences Related to the Journal Topic

1. QoMeX - International Workshop on Quality of Multimedia Experience
2. QoE-EE 2012 - Quality-of-Experience in Energy-Efficient Networks Workshop
3. QoEMCS 2012 - Third Workshop on Quality of Experience for Multimedia Content Sharing (QoEMCS)
4. MQOE 2011 - MQoE IEEE International Workshop on Multimedia Quality of Experience: Modeling, Evaluation, and Directions
5. MMEDIA 2012 - The Fourth International Conferences on Advances in Multimedia
6. IEEE/ACM IWQoS 2012
7. IQ2S 2012 The Fourth International Workshop on Information Quality and Quality of Service for Pervasive Computing
8. IEEE Workshop on Multimedia Quality of Experience
9. EMERGING 2012 - The Fourth International Conference on Emerging Network Intelligence
10. IEICE 2013 - Special Section on Quality of Communication Services Improving Quality of Life
11. CCNC - Special Session QoE 2012 : CCNC'12 special session on Quality of Experience for Multimedia Communications
12. International Workshop on Community Networks and Bottom-up-Broadband (CNBuB 2012)
13. IFIP/ACM Latin America Networking Conference 2012
14. International Conference on Next generation Mobile Applications, Services and Technologies (NGMAST2012)
15. International Workshop on Computer-Aided Modeling Analysis and Design of Communication Links and Networks (CAMAD)
16. International Symposium on Telecommunications (BIHTEL)
17. International Symposium on Wireless and Pervasive Computing (ISWPC)
18. International Workshop on Security and Communication Networks (IWSCN)
19. International Conference on Intelligence in Next Generation Networks (ICIN)

4. The List of Projects and Standardization Bodies Related to the Topic

- INDECT (Intelligent information system supporting observation, searching and detection for security of citizens in urban environment)
- SARACEN-P2P (Socially Aware, collaboRative, scAlable Coding mEdia distributioN)
- FIE (Future Internet Engineering)
- VQEG (Video Quality Experts Group)
- VQIPS (Video Quality in Public Safety)
- ITU-T (International Telecommunication Union-Telecommunication Standardization Sector)
- ITU-R (International Telecommunication Union-Radiocommunication Standardization)

- Sector)
• DHS (United States Department of Homeland Security)

5. Proposed Journal Editors List

6. Magazine/Technical

Place to put arguments for magazine - with moreless tutorial papers or more technical journal with strong technical papers.

For Magazine:

It should be cross disciplinary which is much easier in case of tutorial than technical papers.

Against Magazine:

We do not provide really up to date results.

For Technical Papers:

Real progress in the topic.

Against Technical Papers:

Limited interest.

7. Title Propositions

QoX - from prof. Jajszczyk.