

Call for Papers
QoS and QoE in Wireless Communications/Networks Workshop
(QoS-QoE 2013)

The 9th International Wireless Communications & Mobile Computing Conference

(IWCMC 2013): <http://iwcmc.org/2013/>

Submission: <https://edas.info/newPaper.php?c=13371>

Cagliari, Sardinia, Italy, July 1-5, 2013

Workshop Chair:

Abderrezak Rachedi, University Paris-Est, France, rachedi@ieee.org

Scope:

Nowadays, wireless communication networks' users require more and more quality of services they perceive (usability, availability, connection loss, and integrity of the service). A new concept appeared with these requirements: the Quality of Experience (QoE). Unlike the Quality of Service (QoS), which describes the network ability to provide services from a technical point of view, the QoE also comprises non-technical aspects, which directly impact the user's perception. Thus, QoS and QoE are different but interdependent: the QoS level is a major component of the perceived QoE. That is why QoS and QoE both have to be studied from design to implementation.

QoE includes some major services such as: Service integrity defined by throughput, delay, jitter (delay variation) and data loss; Security services (authentication, autorisation, integrity and confidentiality). This ensures the coexistence between these services to satisfy the end-users that still represents a critical issue, particularly in wireless communication networks. QoE and QoS management is classified into four interdependent categories: network design (network dimensioning and network topology), service and QoS provisioning (QoS mechanisms and parameters), QoE and QoS monitoring and optimization (accurate measurement of QoE and QoS to achieve an optimal strategy in order to provide the best network performance).

The main aim of this Workshop is to review the state of the art, propose new ideas and assess the actual research results and foresee future trends related to this topic. Contributors and participants, from both industry and academia, are highly encouraged to take active part in this Workshop.

Accepted papers will be published in the IEEE IWCMC 2013 proceedings, and will be made available through IEEE digital library (IEEE Xplore).

Topics of interest include, but are not limited to:

- QoE metrics for different applications in Wireless Sensor Networks (WSN), Vehicular Ad hoc Networks (VANET), and Wireless Mesh Networks (WMN)
- QoE and QoS models for WSN, VANET, WMN
- QoE and QoS optimization for Heterogeneous Wireless Networks
- QoE-based routing in Wireless Multihop Networks (WSN, VANET, Mesh)
- QoE-aware cross-layer design
- QoE monitoring and control in wireless communication networks
- Security services and QoS optimization

- QoE, security, and QoS optimization methodologies
- Standardization activities for QoE and QoS models

Submission Guidelines:

Prospective authors are invited to submit original technical papers—up to 6 pages of length, using the EDAS link {Edas link} for possible publication in the IWCMC 2013 Conference Proceedings, which will be included in IEEE Xplorer. Selected papers will be further considered for possible publication in three special issues in the following Journals:

1. Wiley Journal of Wireless Communications and Mobile Computing (WCMC)
<http://www3.interscience.wiley.com/journal/76507157/home>
2. The International Journal of Sensor Networks (IJSNet)
<http://www.inderscience.com/browse/index.php?journalCODE=ijsnet>
3. The International Journal of Autonomous and Adaptive Communications Systems (IAACS): www.inderscience.com/ijaacs
4. KSII Transactions on Internet and Information Systems: www.itiis.org
Peer-to-Peer Net. & Applications, a Springer Journal
<http://www.springer.com/engineering/signals/journal/12083>

Note: There will be best paper award, best Symposium award and best Workshop award.

Important Dates:

Submission:	February 15, 2013
Acceptance notification:	March 5, 2013
Camera-ready paper submissions:	April 1, 2013
Registration deadline for authors:	April 1, 2013

TPC Members: to be added.