Call for Papers

1st Workshop on Service Quality and Quantitative Evaluation in new Emerging Technologies
SQUEET 2019
http://squeet.unict.it/

organized in association with
The IEEE 7th International Conference on Cloud Engineering (IC2E)
June 24-27, 2019 - Prague, Czech Republic

Sponsored by IEEE Computer Society and IEEE Communications Society

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Important Dates
Submission of research papers due:
March 8th, 2019
Notification of paper acceptance:
March 22nd, 2019
Submission of camera-ready camera:
April 22nd, 2019
Workshop date:
June 24th, 2019

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The Cloud Computing paradigm, marked by the self-service approach and the pay-per-use price model, has been applied in many different contexts: Internet of things, Big Data, Fog Computing, Software Defined Networks. However, no matter the underlying provisioning technology, the quality of service (QoS), expressed, for example, in terms of security, reliability, service continuity, responsiveness, maintenance, support, is still a big concern for both the academia and the industry: the growth in the number and type of services offered to customers is not always reciprocated by the capability to grant a satisfactory quality level on the delivered services.

The recognized solution to address such an issue is Service Level Agreements (SLAs), but, due to the limited capability of CSP to offer clear measurable grants on the delivered quality, SLAs are very limited, consisting only of natural language description of grants. As a matter of fact, on the one side, CSPs are not able to offer measurable grants over the target services and on the other side Customers have no tools to measure and evaluate the quality of delivered services.

The workshop welcomes submissions offering research results, experimental solutions, case studies, and best practices. Possible topics include, but are not limited to:

Innovative Methodologies: Innovative QoS models; SLA models and languages; Security SLAs; Security metrics; Quality metrics; Measurement technologies; Quality metrics prediction; Customer-oriented quality verification; Quality-Cost prediction models; Blockchain and Smart Contracts for SLAs; Standards and specification for cloud services' integration.

Problem Specific Solutions: Cloud/IoT/Big Data/Fog/SDNs security and quality metrics; Data security across multiple domains; QoS and SLA in Big Data Services.

Case Studies and Experimental Solutions:Adoption of SLA in Cloud/IoT/Big Data/Fog/SDNs; Evaluation of Cloud architectures; Quantitative Security Assessment of Cloud/IoT/Big Data/Fog/SDNs; Quantitative evaluation of Industrial Experiences; SLAs in Industrial case studies.

Paper submission
Papers should be written in English. Manuscripts should not exceed 8 pages in the IEEE proceedings style, including all figures, tables and references, and must be submitted by March 8th, 2019 through the workshop web page (**http://squeet.unict.it/**). Papers must present original and unpublished work and should not be currently under review by any other conference or journal. To submit a paper, please follow the instructions on the Workshop website. The Workshop Proceedings will be part of the IC2E 2019 Proceedings and will be submitted for publication to IEEE Xplore (**http://ieeexplore.ieee.org**)