

Call for Papers

2nd International Workshop on Quantitative Approaches to Software Quality

In conjunction with the [21st Asia-Pacific Software Engineering Conference \(APSEC 2014\)](#)

Jeju Ramada Plaza Hotel, Jeju, Korea, December 1, 2014

IMPORTANT DATES

Submission deadline:

September 21, 2014

Notification of acceptance:

September 28, 2014

Camera-ready version:

October 12, 2014

Workshop date:

December 1, 2014

ORGANIZERS

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The workshop aims at gathering together researchers and practitioners to discuss experiences in the application of state of the art approaches to measure, assess and evaluate the quality of both software systems and software development processes.

Software development organizations are forced to produce software in the required quality. Hence, quality specification and quality assurance are crucial. Although there are lots of approaches to deal with quantitative quality management, it is still challenging to choose a suitable set of techniques that best fit to the specific project and organization's constraints. Moreover, standards like CMMI require setting up and applying quantitative methods to monitor and improve development processes.

Even though approaches, methods, and techniques are known little effort has been spent on the exchange on the real world problems with quantitative approaches. For example, only limited research has been devoted to the setup and maintenance of large scale measurement systems in industrial environments.

Hence, one main goal of the workshop is to present new promising approaches, exchange experience, and to discuss how to set up, organize, and maintain quantitative approaches to software quality.

TOPICS OF INTEREST

The topics of interest include, but are not restricted to the following:

- New approaches to measurement, evaluation, comparison, and improvement of software quality
- Case studies and industrial experience reports on successful or failed application of quantitative approaches to software quality

- Tools, infrastructure and environments supporting quantitative approaches
- Metric and measurement approaches in agile projects
- Metric documentation and measurement experience bases
- Metric programs in the context of CMMI improvement
- Approaches combining best measurement practices to yield better results
- Experience and processes for setup and maintenance of large scale measurement systems
- Empirical studies, evaluation and comparison of measurement techniques.

SUBMISSIONS

We encourage you to submit a contribution, especially experience reports. All submissions will be peer reviewed and judged on the basis of their clarity, relevance, and interest to the workshop participants.

The paper submissions must be in English and conform to the [APSEC paper submission guidelines](#) (IEEE eXpress Conference Publishing). The paper length of at most **8 pages** will be strictly enforced.

Accepted papers will be recommended for ISI/SCOPUS journals for publication.

Papers are to be submitted electronically to the [QuASoQ EasyChair](#) paper submission system.

Authors of accepted papers have to register for the workshop.