

Call for Papers “Software Quality Days 2015” Scientific Program

Website: <http://www.software-quality-days.com>

Venue: January 20th-22nd 2015, Vienna, Austria

Full paper submission deadline extended to June 30th, 2014

The 7th Software Quality Days (SWQD) conference and tools fair – one of the largest software quality conferences in Europe - will bring together researchers and practitioners from business, industry, and academia working on quality assurance and quality management for software engineering and information technology.

In 2015 the SWQD conference hosts the 4th scientific program on research and industry experience. The guiding topic for 2015 will be “**Software and Systems Quality in Distributed and Mobile Environments**”

High software and systems quality are success-critical factors in engineering practices and refer to product, process, and service quality. However, quality attributes have to be embodied within individual phases of software and systems development.

In distributed engineering environments, where various stakeholders coming from heterogeneous disciplines have to collaborate and interact efficiently. Additional quality attributes with focus on collaboration and data exchange apply. Mobile environments typically refer to product quality and include quality requirements regarding usability, interaction, safety and security.

Following the guiding topic we welcome contributions related to software and systems quality in context of distributed and mobile environments.

Topics of interest for research and industrial experience paper include but are not limited to

- System and software quality management methods
- Improvement of software development methods and processes
- Testing and quality assurance of software and software-intensive systems
- Process and quality assurance automation
- Requirements Engineering and Management
- Project and Risk Management
- Effort and quality estimation
- Metrics (product, process, project)
- Domain specific quality issues such as embedded, medical, automotive systems
- Novel trends in software quality

Technical Research and Industrial Experience Papers

The **scientific program of SWQD 2015** accepts two categories of conference submissions. In both categories papers with practical relevance and already conducted practical evaluation will be preferred.

- **Technical Research Papers** should describe innovative research in software quality concepts, standards, processes, methods, or tools. They should describe a novel contribution to the field or significantly improve existing solutions. The proposed solution technique or its application to this kind of problem must be novel and sound. The author(s) must provide (empirical) validation of the proposed solution, for example, a proof-of-concept and sound arguments that the solution technique will scale to real-world-sized problems. Results must be stated clearly so that the author(s) or others can further validate them in later research. A technical solution paper should also be clear about its contributions with respect to related work by others and to previous work by the author(s).
- **Industrial Experience Papers** should describe a significant experience in applying software quality technology in a real-world context and should carefully identify and discuss important lessons learned so that other researchers and/or practitioners can benefit from the experience. The author(s) should provide (empirical) evidence supporting the experience and derived conclusions.

The SWQD 2015 conference will provide **best paper awards** in both categories, i.e., technical research papers and industrial experience papers.

Special Session on Automated Quality Assurance

Research in software quality assurance (SQA) is more and more driven by automating SQA tasks. For example, researchers work on automating test generation and execution, detecting clones or predicting fault-prone components. These activities are not well integrated, however. This is why we plan this special session with the aim to discuss the connections in automating quality assurance. The general requirements on the submitted papers are the same as on the technical research papers but they need to relate to the topic of the special session.

Special Session Chair: Stefan Wagner, University of Stuttgart, Germany

Publication of Papers with Springer LNBIP

The scientific program papers will be rigorously peer-reviewed for publication in the well known research publication series Springer LNBIP.

- **Full papers** should be 15-20 pages (in Springer LNBIP proceedings format) and include an abstract of up to 150 words.
- **Short Papers** should be 8-12 pages (in Springer LNBIP proceedings format - see the [LNBIP Website](#) for author instructions).

The language of the scientific program is English.

Papers must not have been previously published or submitted for review elsewhere.

All scientific program contributions will be reviewed by the international Program Committee on their scientific merit and relevance to the conference topics and may be accepted as regular or short papers. Accepted papers will be included in the proceedings, published by Springer LNBIP (abstracted/-indexed in ISI Proceedings, DBLP, EI and Scopus), and the Springer Digital library.

If accepted, papers must be personally presented at the Software Quality Days 2015 Conference by the author or one of the co-authors. The first presenting author **can participate free of charge** at the two conference days. **Additional authors/presenters can participate at discounted partner fee.**

Paper Submission

Authors are encouraged to submit a PDF version of their paper via EasyChair <https://www.easychair.org/conferences/?conf=swqd2015>

Please select the paper category (i.e., technical research paper, industry experience paper, or special session on automated quality assurance) during the submission process. The assignment to full and/or short papers is implicitly given by the number pages per submission.

Important Deadlines

- Full Paper Submission: ~~02.06.2014~~; **Extended to 30.06.2014**
- Notification of accepted/rejected papers: 31.07.2014
- Camera-ready paper for Springer Publication: 01.09.2014
- Finalized Version of the Presentation: 01.12.2014

Program Committee

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