



## Special Issue of Software Quality Journal on Collaboration in Software Testing between Industry and Academia

### 1. Abstract

Testing is the most widely practiced method to detect defects and to improve quality in the software industry. Many projects rely on testing as primary quality assurance measure. The importance of testing is also reflected in the often enormous budgets dedicated to this form of quality assurance. Consequently, research on static and dynamic testing of software systems has a long and outstanding history. However, how does this research impact the software industry? Despite the wide array of great ideas and elaborated approaches developed in academia, far too few research results have made it to practice. There is still a substantial gap between the state of the academic research and the state and needs of the industrial practice. Bridging this gap is of mutual interest as collaboration between industry and academia supports improvement and innovation in industry and ensures industrial relevance in academic research.

This special issue of the Software Quality Journal focuses on collaboration between industry and academia in the context of software testing.

The topics of interest for the special issue include:

- methods for research validation in a full-scale industrial context
- strategies and tools for making testing research applicable in practice
- innovation and technology transfer patterns for software testing
- studies on the state of practice in software testing
- innovation drivers and barriers in software testing practice
- elicitation of industrial-relevant research requirements and success criteria
- retrieving and sharing industrial data and context information
- industry academia collaboration models suitable for software testing
- legal, economic and business aspects in collaborations on software testing
- success and failure factors for industry academia collaboration

### 2. Guest Editors:

- Michael Felderer, University of Innsbruck, Austria ([michael.felderer@uibk.ac.at](mailto:michael.felderer@uibk.ac.at))
- Rudolf Ramler, Software Competence Center Hagenberg, Austria ([rudolf.ramler@scch.at](mailto:rudolf.ramler@scch.at))

### 3. Important dates

- Submission Deadline: 01 November 2015

### 4. Paper Submission

Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals. Springer offers authors, editors and reviewers of *Software Quality Journal* a web-enabled online manuscript submission and review system. Our online system offers authors the ability to track the review process of their manuscript. This online system offers easy and straightforward log-in and submission procedures, and supports a wide range of submission file formats. Manuscript should be submitted to: <http://SQJO.edmgr.com>. Choose "S.I.: Collaboration in Software Testing" as the article type.



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