ANNUAL REPORT 2017

Contact
office@swc.rwth-aachen.de
www.swc.rwth-aachen.de
+49-241-80-21331
Ahornstr. 55
52074 Aachen, Germany
RESEARCH PROJECTS

Behavior-based Architectural Conformance Checking
Ana Nicolaescu

DevOps-aware Software Engineering
Andreas Steffens

Domain Model-based Test Data Generation for Application Systems
Konrad Fögen

Enterprise Architecture Roundtrip-Management
Simon Hacks

Cost Benefit based Technical Debt Management
Firdaus Harun
**HIGHLIGHTS**

**DECEMBER 2016 : 4th QuASoQ Workshop in Hamilton, New Zealand**

Collocated with the 23rd Asia-Pacific Software Engineering Conference (APSEC 2017), we organized the 4th International Workshop “Quantitative Approaches to Software Quality” (QuASoQ) in Hamilton. Konrad Fögen was chairing the workshop!

**FEBRUARY: 2nd CSE Workshop in Hannover**

Co-located with the German Software Engineering Conference, we organizes the 2nd Workshop on Continuous Software Engineering together with colleagues from TU Munich and Nurnberg University.

**MAY: Andreas Steffens visited UTM Johor Bahru, Malaysia**

In the context of our DAAD project Andreas Steffens gave a one week compact course at UTM Johor Bahru. Furthermore he visited the MCMC myMaker IoT Lab in Kuala Lumpur.
HIGHLIGHTS

MAY: 18th International Conference on Agile Software Development

Together with Hubert Baumann (TUD) and Matthias Riebisch (Uni Hamburg) we organized the scientific track of the 18th International Conference on Agile Software Development in Cologne.

Furthermore Firdaus, Harris Kristanto Husien, and Jan Thomas supported the conference as student volunteers.

NOVEMBER: Andreas Ganser’s PhD Defense

On November 6, Andreas Ganser successfully passed his Ph.D. defense on “Operation-Based Model Recommenders”.

Thanks to Prof. Matthias Riebisch for supporting this defense!

Andreas is now with NTT Data Munich.

Congratulations!

NEW RESEARCH PROJECTS

We are happy to start two new research projects in co-operation with Traveltainment and Wirecard-SUPR.

The first one focuses on “Evaluation and Application of DevOps supporting Software Engineering Technologies”.

The second one is on “Software Architecture Migration and Evolution”.

wirecard

traveltainment
Collocated with the 24th Asia-Pacific Software Engineering Conference (APSEC 2017), we organized the 5th International Workshop “Quantitative Approaches to Software Quality” (QuASoQ) in Nanjing.

The keynote was given by Hironori Washizaki, Waseda University, Tokyo.

The paper entitled “On Adequate Behavior-based Architecture Conformance Checks” by Ana Nicolaescu, Horst Lichter and Veit Hoffmann received one of the three Best Paper Awards at the 24th Asia-Pacific Software Engineering Conference, 4-8 December 2017, Nanjing, Jiangsu, China.

188 papers were submitted from all over the world (43 countries) and 51 papers were accepted this year. The best 10 papers were on the table of the best paper awards according to the score of the paper reviews. Then, 5 papers were nominated by program committee members’ voting. Finally, 3 papers were awarded after hearing their presentations.

Congratulations!


