

Contents

Keynote

- From Pair Programming to Mob Programming to Mob Architecting 3
Carola Lilienthal

Model-Driven Development and Configuration Management

- Traceability in a Fine Grained Software Configuration Management System . . . 15
Martin Eyl, Clemens Reichmann, and Klaus Müller-Glaser

Software Development and Quality Assurance

- From Agile Development to DevOps: Going Towards Faster Releases at High Quality – Experiences from an Industrial Context 33
Frank Elberzhager, Taslim Arif, Matthias Naab, Inge Süß, and Sener Koban

- Learning to Rank Extract Method Refactoring Suggestions for Long Methods. 45
Roman Haas and Benjamin Hummel

- A Portfolio of Internal Quality Metrics for Software Architects. 57
Mirosław Staron and Wilhelm Meding

- Validating Converted Java Code via Symbolic Execution. 70
Harry M. Sneed and Chris Verhoef

Software Quality Assurance in Industry

- Software Quality Assurance During Implementation: Results of a Survey in Software Houses from Germany, Austria and Switzerland 87
Michael Felderer and Florian Auer

Crowdsourcing in Software Engineering

- Images of Enterprise Test Organizations: Factory, Center of Excellence, or Community?. 105
Michal Doležal

- Analysing the Quality Evolution of Open Source Software Projects. 117
Lerina Aversano, Daniela Guardabascio, and Maria Tortorella

Software Testing and Traceability

Tool Support for Change-Based Regression Testing: An Industry Experience Report.	133
<i>Rudolf Ramler, Christian Salomon, Georg Buchgeher, and Michael Lusser</i>	
Challenges of Establishing Traceability in the Automotive Domain	153
<i>Salome Maro, Mirosław Staron, and Jan-Philipp Steghöfer</i>	

Process Improvement

Towards the Automation of the Travel Management Procedure of an Italian Public Administration	175
<i>Antonello Calabró, Eda Marchetti, Giorgio Oronzo Spagnolo, Pierangela Cempini, Luca Mancini, and Serena Paoletti</i>	
Author Index	189

Software Quality. Complexity and Challenges of
Software Engineering in Emerging Technologies
9th International Conference, SWQD 2017, Vienna,
Austria, January 17-20, 2017, Proceedings
Winkler, D.; Biffli, S.; Bergsmann, J. (Eds.)
2017, XII, 189 p. 51 illus., Softcover
ISBN: 978-3-319-49420-3