

Contents

Improving Agile Processes

Reflection in Agile Retrospectives.	3
<i>Yanti Andriyani, Rashina Hoda, and Robert Amor</i>	
What Influences the Speed of Prototyping? An Empirical Investigation of Twenty Software Startups	20
<i>Anh Nguyen-Duc, Xiaofeng Wang, and Pekka Abrahamsson</i>	
Key Challenges in Agile Requirements Engineering	37
<i>Eva-Maria Schön, Dominique Winter, María José Escalona, and Jörg Thomaschewski</i>	
Eeny, Meeny, Miny, Mo...: A Multiple Case Study on Selecting a Technique for User-Interaction Data Collecting	52
<i>Sampo Suonsyrjä</i>	
Comparing Requirements Decomposition Within the Scrum, Scrum with Kanban, XP, and Banana Development Processes	68
<i>Davide Taibi, Valentina Lenarduzzi, Andrea Janes, Kari Liukkunen, and Muhammad Ovais Ahmad</i>	
Effects of Technical Debt Awareness: A Classroom Study	84
<i>Graziela Simone Tonin, Alfredo Goldman, Carolyn Seaman, and Diogo Pina</i>	

Agile in Organizations

Don't Forget to Breathe: A Controlled Trial of Mindfulness Practices in Agile Project Teams	103
<i>Peter den Heijer, Wibo Koole, and Christoph J. Stettina</i>	
Enhancing Agile Team Collaboration Through the Use of Large Digital Multi-touch Cardwalls	119
<i>Martin Kropp, Craig Anslow, Magdalena Mateescu, Roger Burkhard, Dario Vischi, and Carmen Zahn</i>	
Knowledge Sharing in a Large Agile Organisation: A Survey Study	135
<i>Kati Kuusinen, Peggy Gregory, Helen Sharp, Leonor Barroca, Katie Taylor, and Laurence Wood</i>	

Teaching Agile Methods to Software Engineering Professionals: 10 Years, 1000 Release Plans	151
<i>Angela Martin, Craig Anslow, and David Johnson</i>	
Are Software Startups Applying Agile Practices? The State of the Practice from a Large Survey	167
<i>Jevgenija Pantiuchina, Marco Mondini, Dron Khanna, Xiaofeng Wang, and Pekka Abrahamsson</i>	
Adopting Test Automation on Agile Development Projects: A Grounded Theory Study of Indian Software Organizations	184
<i>Sulabh Tyagi, Ritu Sibal, and Bharti Suri</i>	
Safety Critical Software	
How is Security Testing Done in Agile Teams? A Cross-Case Analysis of Four Software Teams.	201
<i>Daniela Soares Cruzes, Michael Felderer, Tosin Daniel Oyetoyan, Matthias Gander, and Irdin Pekaric</i>	
An Assessment of Avionics Software Development Practice: Justifications for an Agile Development Process	217
<i>Geir K. Hanssen, Gosse Wedzinga, and Martijn Stuip</i>	
Short Research Papers	
Inoculating an Agile Company with User-Centred Design: An Empirical Study.	235
<i>Silvia Bordin and Antonella De Angeli</i>	
On the Usage and Benefits of Agile Methods & Practices: A Case Study at Bosch Chassis Systems Control.	243
<i>Philipp Diebold and Udo Mayer</i>	
Checklists to Support Test Charter Design in Exploratory Testing	251
<i>Ahmad Nauman Ghazi, Ratna Pranathi Garigapati, and Kai Petersen</i>	
Discovering Software Process Deviations Using Visualizations	259
<i>Anna-Liisa Mattila, Kari Systä, Outi Sievi-Korte, Marko Leppänen, and Tommi Mikkonen</i>	
Exploring Workflow Mechanisms and Task Allocation Strategies in Agile Software Teams	267
<i>Zainab Masood, Rashina Hoda, and Kelly Blincoe</i>	

Are Daily Stand-up Meetings Valuable? A Survey of Developers in Software Teams	274
<i>Viktoria Stray, Nils Brede Moe, and Gunnar R. Bergersen</i>	

Doctoral Symposium Papers

Knowledge Management and Reflective Practice in Daily Stand-Up and Retrospective Meetings	285
<i>Yanti Andriyani</i>	
Self-Assignment: Task Allocation Practice in Agile Software Development. . . .	292
<i>Zainab Masood</i>	
Software Development Practices Patterns	298
<i>Herez Moise Kattan and Alfredo Goldman</i>	

Author Index	305
-------------------------------	-----

Agile Processes in Software Engineering and Extreme Programming

18th International Conference, XP 2017, Cologne, Germany, May 22-26, 2017, Proceedings

Baumeister, H.; Lichter, H.; Riebisch, M. (Eds.)

2017, XIII, 306 p. 55 illus., Softcover

ISBN: 978-3-319-57632-9