

Table of Contents

Teaching and Learning

Barriers to Learning in Agile Software Development Projects	1
<i>Jeffrey S. Babb, Rashina Hoda, and Jacob Nørbjerg</i>	
Early Start in Software Coaching	16
<i>Thomas Vikberg, Arto Vihavainen, Matti Luukkainen, and Jaakko Kurhila</i>	
Introducing Programmers to Pair Programming: A Controlled Experiment	31
<i>A.S.M. Sajeev and Subhajit Datta</i>	

Development Teams

Team Performance in Agile Development Teams: Findings from 18 Focus Groups	46
<i>Torgeir Dingsøy and Yngve Lindsjørn</i>	
The Practice of Not Knowing for Sure: How Agile Teams Manage Uncertainties	61
<i>Denniz Dönmez and Gudela Grote</i>	
Key Challenges of Improving Agile Teamwork	76
<i>Nils Brede Moe</i>	

Agile Practices

Effects of Negative Testing on TDD: An Industrial Experiment	91
<i>Adnan Causevic, Rakesh Shukla, Sasikumar Punnekkat, and Daniel Sundmark</i>	
Investigating the Impact of Experience and Solo/Pair Programming on Coding Efficiency: Results and Experiences from Coding Contests	106
<i>Dietmar Winkler, Martin Kitzler, Christoph Steindl, and Stefan Biff</i>	

Experiences and Lessons Learned

Visualizing and Managing Technical Debt in Agile Development: An Experience Report	121
<i>Paulo Sérgio Medeiros dos Santos, Amanda Varela, Cristine Ribeiro Dantas, and Daniel Beltrão Borges</i>	

How Are Agile Methods and Practices Deployed in Video Game Development? A Survey into Finnish Game Studios	135
<i>Jussi Koutonen and Mauri Leppänen</i>	
Inter-organizational Co-development with Scrum: Experiences and Lessons Learned from a Distributed Corporate Development Environment	150
<i>Raoul Vallon, Stefan Strobl, Mario Bernhart, and Thomas Grechenig</i>	
Large Scale Projects	
A Metrics Model to Measure the Impact of an Agile Transformation in Large Software Development Organizations	165
<i>Jeanette Heidenberg, Max Weijola, Kirsi Mikkonen, and Ivan Porres</i>	
Perspectives on Productivity and Delays in Large-Scale Agile Projects	180
<i>Deepika Badampudi, Samuel A. Fricker, and Ana M. Moreno</i>	
Continuous Release Planning in a Large-Scale Scrum Development Organization at Ericsson	195
<i>Ville T. Heikkilä, Maria Paasivaara, Casper Lassenius, and Christian Engblom</i>	
Architecture and Design	
Micro Patterns in Agile Software	210
<i>Giulio Concas, Giuseppe Destefanis, Michele Marchesi, Marco Ortu, and Roberto Tonelli</i>	
Feature Usage Diagram for Feature Reduction	223
<i>Sarunas Marciuska, Cigdem Gencel, Xiaofeng Wang, and Pekka Abrahamsson</i>	
The Effect of Complexity and Value on Architecture Planning in Agile Software Development	238
<i>Michael Waterman, James Noble, and George Allan</i>	
Author Index	253