

Contents

Full Papers

An Empirical Study on the Adoption of Agile Software Development in Public Organizations	3
<i>Isaque Vacari and Rafael Prikładnicki</i>	
Using Agile Methods in Distributed Software Development Environments . . .	16
<i>Wellington Feitoza Gonçalves, Ivaldir de Farias Junior, Renata Kalina de Paulo Alves, Pedro Luis Saraiva Barbosa, Herlon Ribeiro Parente Cortez, Isaac Bezerra de Oliveira, Marcelo Mendonça Teixeira, and Nelson Leitão Júnior</i>	
Gamification Use in Agile Project Management: An Experience Report	28
<i>Igor M. Pereira, Vicente J.P. Amorim, Marcos A. Cota, and Geovana C. Gonçalves</i>	
Application of Scrum Maturity Model in SoftDesign Company.	39
<i>Raone Costa, Raphael Rodrigues, and Alessandra Costa Smolenaars Dutra</i>	
Modeling in Agile Software Development: A Systematic Literature Review	50
<i>Fernando Mognon and Paulo C. Stadzisz</i>	
Strategies for Reducing Technical Debt in Agile Teams	60
<i>Marcelo M. Bomfim Jr. and Viviane A. Santos</i>	
ReTest: Framework for Applying TDD in the Development of Non-deterministic Algorithms	72
<i>André A.S. Ivo and Eduardo M. Guerra</i>	
Validation Board: Invalidating Ideas and Discovering the Problems that Must Be Solved	85
<i>Avelino F. Gomes Filho, Carlos F. Cardoso de Resende, Patrick S. Gazaneo, Vinicius Bittencourt, Raphael Duarte Paiva, and Rodrigo de Toledo</i>	
IBM Design Thinking Software Development Framework	98
<i>Percival Lucena, Alan Braz, Adilson Chicoria, and Leonardo Tizzei</i>	
SimKan: Training Kanban Practices Through Stochastic Simulation	110
<i>Francisco Jose Rego Lopes and Fabio Petrillo</i>	

Short Papers

Predicting the Unpredictable: Using Monte Carlo Simulation to Predict Project Completion Date 125
Lucas Colucci and Raphael Albino

Scrum Hero: Gamifying the Scrum Framework. 131
Jamila Peripolli Souza, André Ricardo Zavan, and Daniela Eloise Flôr

Motivating Factors in Agile and Traditional Software Development Methods: A Comparative Study 136
Regina Albuquerque, Rosilene Fernandes, Rafaela Mantovani Fontana, Sheila Reinehr, and Andreia Malucelli

Quality Assurance in Agile Software Development: A Systematic Review . . . 142
Carlos Alberto Fortunato, Felipe Furtado, Fernando Selleri, Ivaldir de Farias Junior, and Nelson Leitão Júnior

Author Index 149



<http://www.springer.com/978-3-319-55906-3>

Agile Methods

7th Brazilian Workshop, WBMA 2016, Curitiba, Brazil,

November 7-9, 2016, Revised Selected Papers

Silva da Silva, T.; Estácio, B.; Kroll, J.; Mantovani

Fontana, R. (Eds.)

2017, X, 149 p. 28 illus., Softcover

ISBN: 978-3-319-55906-3