Contents

Foreword ....................................................... iii

Full Papers
Differences in Jazz Project Leaders’ Competencies and Behaviors: A Preliminary Empirical Investigation
Sherlock A. Licorish and Stephen G. MacDonell — Auckland University of Technology, New Zealand .................. 1

Motivation of Software Engineers: A Qualitative Case Study of a Research and Development Organisation
A. César C. França, Ana C. M. L. de Araújo, and Fabio Q. B. da Silva — UFPE, Brazil .................. 9

Collaborative Bug Triaging using Textual Similarities and Change Set Analysis
Katja Kevic, Sebastian C. Müller, Thomas Fritz, and Harald C. Gall — University of Zurich, Switzerland .................. 17

Why Do Newcomers Abandon Open Source Software Projects?
Igor Steinmacher, Igor Wiese, Ana Paula Chaves, and Marco Aurélio Gerosa — UTFPR, Brazil; USP, Brazil .................. 25

Emergence of Developer Teams in the Collaboration Network
Bora Caglayan, Ayşe Başar Bener, and Andriy Miranskyy — Bogazici University, Turkey; Ryerson University, Canada; IBM, Canada .................. 33

How Software Architects Collaborate: Insights from Collaborative Software Design in Practice
Jae Young Bang, Ivo Krka, Nenad Medvidovic, Naveen Kulkarni, and Srinivas Padmanabhan — University of Southern California, USA; Infosys, India .................. 41

The Rise and Fall of a Central Contributor: Dynamics of Social Organization and Performance in the GENTOO Community
Marcelo Serrano Zanetti, Ingo Scholtes, Claudio Juan Tessone, and Frank Schweitzer — ETH Zurich, Switzerland .................. 49

Cooperation Wordle using Pre-attentive Processing Techniques: Tested for Color Blind Observers
Ilenia Fronza, Andrea Janes, Alberto Sillitti, Giancarlo Succi, and Stefano Trebeschi — Free University of Bolzano, Italy .................. 57

Social Media in Transparent Work Environments
Jason Tsay, Laura Dabbish, and James D. Herbsleb — CMU, USA .................. 65

Short Papers
A Qualitative Study about the Life Cycle of Lessons Learned
Davi Viana, Jacilane Rabelo, Tayana Conte, Andréia Vieira, Ellen Barroso, and Mário Dib — UFAM, Brazil; Fundação Des. Paulo Feitoza, Brazil .................. 73

A Study of Architectural Decision Practices
Thomas D. LaToza, Evelina Shabani, and André van der Hoek — UC Irvine, USA .................. 77

App-Directed Learning: An Exploratory Study
Jonathan Sillito and Andrew Begel — University of Calgary, Canada; Microsoft Research, USA .................. 81

Crowd Development
Thomas D. LaToza, W. Ben Towne, André van der Hoek, and James D. Herbsleb — UC Irvine, USA; CMU, USA .................. 85

Improving Developer Participation Rates in Surveys
Edward Smith, Robert Loftin, Emerson Murphy-Hill, Christian Bird, and Thomas Zimmermann — University of Maryland, USA; North Carolina State University, USA; Microsoft Research, USA .................. 89

What Is Social Debt in Software Engineering?
Damian A. Tamburri, Philippe Kruchten, Patricia Lago, and Hans van Vliet — VU University Amsterdam, Netherlands; University of British Columbia, Canada .................. 93
On the Development of a Theoretical Model of the Impact of Trust in the Performance of Distributed Software Projects
Sabrina Marczak and Vanessa Gomes — PUCRS, Brazil ................................................................. 97

Toward Social-Technical Code Search
Lee Martie and André van der Hoek — UC Irvine, USA ................................................................. 101

Exploring Social Structures in Extended Team Model
Mansooreh Zahedi and Muhammad Ali Babar — IT University of Copenhagen, Denmark; Lancaster University, UK ......................................................... 105

Towards Collaboration-Centric Pattern-Based Software Development Support
Christoph Dorn and Alexander Egyed — TU Vienna, Austria; JKU Linz, Austria ......................................................... 109

An Examination of Shared Understanding in Free/Libre Open Source Project Maintenance
Brandt Braunschweig and Carolyn Seaman — University of Maryland in Baltimore County, USA ......................................................... 113

Using Experimental Games to Understand Communication and Trust in Agile Software Teams
Eisha Hasnain, Tracy Hall, and Martin Shepperd — Brunel University, UK ......................................................... 117

Less is More: Architecture Documentation for Agile Development
Irit Hadar, Sofia Sherman, Ethan Hadar, and John J. Harrison, Jr. — University of Haifa, Israel; AGT International, Switzerland; CA Technologies, USA ......................................................... 121

How Does Kanban Impact Communication and Collaboration in Software Engineering Teams?
Nilay Oza, Fabian Fagerholm, and Jürgen Münch — University of Helsinki, Finland ......................................................... 125

Motivations for Collaboration in Software Design Decision Making
Amani Alali and Jonathan Sillito — University of Calgary, Canada ......................................................... 129

Soft Skills in Software Engineering: A Study of its Demand by Software Companies in Uruguay
Gerardo Matturro — Universidad ORT, Uruguay ......................................................... 133

A Descriptive Classification for End User-Relevant Decisions of Large-Scale IT Projects
Ulrike Abelein and Barbara Paech — University of Heidelberg, Germany ......................................................... 137

Aduno: Real-Time Collaborative Work Design in a Shared Workspace
Braden Simpson, Eirini Kalliamvakou, Nathan Lambert, and Daniela Damian — University of Victoria, Canada ......................................................... 141

The Need of a Person Oriented Approach to Software Process Assessment
Alberto Sampaio, Isabel B. Sampaio, and Edwin Gray — ISEP, Portugal; Glasgow Caledonian University, UK ......................................................... 145

Understanding Cheap Talk and the Emergence of Trust in Global Software Engineering: An Evolutionary Game Theory Perspective
Yi Wang and David Redmiles — UC Irvine, USA ......................................................... 149

Meeting Intensity as an Indicator for Project Pressure: Exploring Meeting Profiles
Olga Liskin, Kurt Schneider, Stephan Kiesling, and Simone Kauffeld — Leibniz Universität Hannover, Germany; TU Braunschweig, Germany ......................................................... 153

Position Papers

Agile Offsharing: Using Pair Work to Overcome Nearshoring Difficulties
Lutz Prechelt — Freie Universität Berlin, Germany ......................................................... 157

Analyzing the Friendliness of Exchanges in an Online Software Developer Community
Brendan Cleary, Carlos Gómez, Margaret-Anne Storey, Leif Singer, and Christoph Treude — University of Victoria, Canada; Leibniz Universität Hannover, Germany; McGill University, Canada ......................................................... 159