

Contents

WCC 2008 Congress..... v

Contents vii

Preface..... xiii

About IFIP WG 2.13 xiv

Acknowledgements xv

OSS 2008 Conference Organization xvii

List of Contributors xix

Part I Full Papers

A Framework for Evaluating Managerial Styles in Open Source Projects 1
Eugenio Capra and Anthony I. Wasserman

Forging a Community – Not: Experiences on Establishing an Open Source Project 15
Juha Järvensivu and Tommi Mikkonen

Mapping Linux Security Targets to Existing Test Suites..... 29
C.A. Ardagna, E. Damiani, N. El Ioini, F. Frati, P. Giovannini and R. Tchokpon

Overview on Trust in Large FLOSS Communities 47
Etiel Petrinja, Alberto Sillitti and Giancarlo Succi

PMLite: An Open Source Solution for Process Monitoring..... 57
Alberto Colombo, Ernesto Damiani and Fulvio Frati

Requirements Acquisition in Open Source Development: Firefox 2.0 69
John Noll

Analysis of Coordination between Developers and Users in the Apache Community.....	81
<i>Yasutaka Kamei, Shinsuke Matsumoto, Hirotaka Maeshima, Yoji Onishi, Masao Ohira and Ken-ichi Matsumoto</i>	
Lost and Gained in Translation: Adoption of Open Source Software Development at Hewlett-Packard.....	93
<i>Catharina Melian and Magnus Mähring</i>	
Mining for Practices in Community Collections: Finds From Simple Wikipedia.....	105
<i>Matthijs den Besten, Alessandro Rossi, Loris Gaio, Max Loubser and Jean-Michel Dalle</i>	
Open To Grok. How Do Hackers' Practices Produce Hackers?	121
<i>Vincenzo D'Andrea, Stefano De Paoli and Maurizio Teli</i>	
Social Dynamics of FLOSS Team Communication across Channels	131
<i>Andrea Wiggins, James Howison and Kevin Crowston</i>	
Towards a Global Research Infrastructure for Multidisciplinary Study of Free/Open Source Software Development	143
<i>Les Gasser and Walt Scacchi</i>	
Update Propagation Practices in Highly Reusable Open Source Components	159
<i>Heikki Orsila, Jaco Geldenhuys, Anna Ruokonen and Imed Hammouda</i>	
Using Social Network Analysis Techniques to Study Collaboration between a FLOSS Community and a Company	171
<i>Juan Martinez-Romo, Gregorio Robles, Jesus M. Gonzalez-Barahona and Miguel Ortuño-Perez</i>	
Empirical Analysis of the Bug Fixing Process in Open Source Projects	187
<i>Chiara Francalanci and Francesco Merlo</i>	
The Total Growth of Open Source	197
<i>Amit Deshpande and Dirk Riehle</i>	
Adoption of Open Source in the Software Industry	211
<i>Øyvind Hauge, Carl-Fredrik Sørensen and Reidar Conradi</i>	
Migration Discourse Structures: Escaping Microsoft's Desktop Path	223
<i>Leonhard Dobusch</i>	

The SQO-OSS Quality Model: Measurement Based Open Source Software Evaluation 237
Ioannis Samoladas, Georgios Gousios, Diomidis Spinellis and Ioannis Stamelos

Part II Short Papers

An Open Integrated Environment for Transparent Fuzzy Agents Design..... 249
Giovanni Acampora and Vincenzo Loia

Archetypal Internet-Scale Source Code Searching 257
Medha Umarji, Susan Elliott Sim and Crista Lopes

Channeling Firefox Developers: Mom and Dad Aren't Happy Yet..... 265
Jean-Michel Dalle, Matthijs den Besten and H ela Masmoudi

Continuous Integration in Open Source Software Development 273
Amit Deshpande and Dirk Riehle

Extracting Generally Applicable Patterns from Object-Oriented Programs for the Purpose of Test Case Creation 281
Richard Torkar, Robert Feldt and Tony Gorschek

Social Networking Technologies for Free-Open Source e-Learning Systems 289
Francesco Di Cerbo, Gabriella Dodero and Giancarlo Succi

The Networked Forge: New Environments for Libre Software Development..... 299
Jesus M. Gonzalez-Barahona, Andr es Mart nez, Alvaro Polo, Juan Jos e Hierro, Marcos Reyes, Javier Soriano and Rafael Fern andez

To What Extent Does It Pay To Approach Open Source Software for A Big Telco Player?..... 307
Massimo Banzi, Guido Bruno and Giovanni Caire

A Framework to Abstract the Design Practices of e-Learning System Projects .. 317
Alain Corbiere

Assessing Innovation in the Software Sector: Proprietary vs. FOSS Production Mode. Preliminary Evidence from the Italian Case 325
Dario Lorenzi and Cristina Rossi

Detecting Agility of Open Source Projects Through Developer Engagement	333
<i>Paul J. Adams, Andrea Capiluppi and Adriaan de Groot</i>	
Facilitating Social Network Studies of FLOSS using the OSSNetwork Environment.....	343
<i>Marco A. Balieiro, Samuel F. de Sousa Júnior and Cleidson R. B. de Souza</i>	
Reflection on Knowledge Sharing in F/OSS Projects	351
<i>Sulayman K. Sowe and Ioannis Stamelos</i>	
Usability in Company Open Source Software Context - Initial Findings from an Empirical Case Study	359
<i>Netta Iivari, Henrik Hedberg and Tanja Kirves</i>	
Willingness to Cooperate Within the Open Source Software Domain.....	367
<i>Pascal Ravesteyn and Gilbert Silvius</i>	
Open Source Project Categorization Based on Growth Rate Analysis and Portfolio Planning Methods	375
<i>Stefan Koch and Volker Stix</i>	
Applying Open Source Development Practices Inside a Company	381
<i>Juho Lindman, Matti Rossi and Pentti Marttiin</i>	
Towards The Evaluation of OSS Trustworthiness: Lessons Learned From The Observation of Relevant OSS Projects.....	389
<i>Davide Taibi, Vieri del Bianco, Davide Dalle Carbonare, Luigi Lavazza and Sandro Morasca</i>	
Open Source Reference Systems for Biometric Verification of Identity	397
<i>Aurélien Mayoue and Dijana Petrovska-Delacrétaz</i>	
eResearch Workflows for Studying Free and Open Source Software Development	405
<i>James Howison, Andrea Wiggins and Kevin Crowston</i>	

Part III Panels

Panel: Opportunities and Risks for Open Source Software in Industry	413
<i>Joseph Feller, Björn Lundell, Pentti Marttiin, Walt Scacchi and Nico Schellingerhout</i>	

Part IV Posters and Demonstrations

Open Source Environments for Collaborative Experiments in e-Science 415
*Andrea Bosin, Nicoletta Dessì, Maria Grazia Fugini, Diego Liberati
and Barbara Pes*

eResearch Workflows for Studying Free and Open Source Software
Development 417
James Howison, Andrea Wiggins and Kevin Crowston

Facilitating Social Network Studies of FLOSS using the OSSNetwork
Environment 417
Marco A. Balieiro, Samuel F. de Sousa Júnior and Cleidson R. B. de Souza