

Ioannis Stamelos · Jesus M. Gonzalez-Barahona
Iraklis Varlamis · Dimosthenis Anagnostopoulos (Eds.)

Open Source Systems: Enterprise Software and Solutions

14th IFIP WG 2.13 International Conference, OSS 2018
Athens, Greece, June 8–10, 2018
Proceedings

Contents

Organizational Aspects of OSS Projects

How Can Open Source Software Projects Be Compared with Organizations?	3
<i>Remo Eckert</i>	
FLOSS Project Management in Government-Academia Collaboration	15
<i>Melissa Wen, Paulo Meirelles, Rodrigo Siqueira, and Fabio Kon</i>	
Insights into the Trilateral Relationship of Crowdfunding Campaigns, Open Source and Communities	26
<i>Patricija Ilin, Dimitrios Platis, and Imed Hammouda</i>	

OSS Projects Validity

Open Source Software Resilience Framework	39
<i>Apostolos Kritikos and Ioannis Stamelos</i>	
Leaving Behind the Software History When Transitioning to Open Source: Reasons and Implications	50
<i>Gustavo Pinto, Igor Steinmacher, and Marco Gerosa</i>	
Developer Dynamics and Syntactic Quality of Commit Messages in OSS Projects	61
<i>Kuljit Kaur Chahal and Munish Saini</i>	

Mining OSS Data

Process Mining for Process Conformance Checking in an OSS Project: An Empirical Research	79
<i>Elia Kouzari, Lazaros Sotiriadis, and Ioannis Stamelos</i>	
Ranking Source Code Static Analysis Warnings for Continuous Monitoring of FLOSS Repositories	90
<i>Athos Ribeiro, Paulo Meirelles, Nelson Lago, and Fabio Kon</i>	
Using PageRank to Reveal Relevant Issues to Support Decision-Making on Open Source Projects	102
<i>Alessandro Caetano, Leonardo Leite, Paulo Meirelles, Hilmer Neri, Fabio Kon, and Guilherme Horta Travassos</i>	

OSS in Public Administration

Creating and Integrating a FLOSS Product into UK Law Enforcement. 117
Joseph Williams

Possibilities of Use of Free and Open Source Software in the Greek
Local Authorities 128
Stavros Koloniaris, George Kousiouris, and Mara Nikolaidou

Mining and Linking Open Economic Data from Governmental
Communities 144
*Michalis Vafopoulos, Stylianos Rallis, Ioannis Anagnostopoulos,
Vassilios Peristeras, Dimitrios Negkas, Ilias Skaros, and Aggelos Tzani*

OSS Governance

Understanding Industry Requirements for FLOSS Governance Tools. 151
Nikolay Harutyunyan, Andreas Bauer, and Dirk Riehle

OSS Reusability

Building a Social Platform Using FLOSS to Support Collaborative
Communities: The ReWeee Case Study 171
Ioannis Routis, Anargyros Tsadimas, and Mara Nikolaidou

Improving C/C++ Open Source Software Discoverability by Utilizing
Rust and Node.js Ecosystems 181
*Kyriakos-Ioannis D. Kyriakou, Nikolaos D. Tselikas,
and Georgia M. Kapitsaki*

Author Index 193