

2015 IEEE/ACM 3rd International Workshop on Release Engineering (RELENG 2015)

**Florence, Italy
19 May 2015**



**IEEE Catalog Number: CFP15ZAM-POD
ISBN: 978-1-4673-7071-4**

3rd International Workshop on Release Engineering (RELENG 2015)

Table of Contents

Message from the Chairs	vii
Committees and Reviewers	ix
Sponsors and Supporters	xi

Practitioner Talks

Release Engineering as a Force Multiplier	1
<i>John O'Duinn — Hortonworks, USA</i>	
Research Opportunities in Continuous Delivery: Reflections from Two Years' Experiences in a Large Bookmaking Company	2
<i>Lianping Chen — Paddy Power, Ireland</i>	
Towards Definitions for Release Engineering and DevOps.....	3
<i>Andrej Dyck, Ralf Penners, Horst Lichter — RWTH Aachen University, Germany</i>	

Research Papers

Securing a Deployment Pipeline	4
<i>Len Bass, Ralph Holz, Paul Rimba, An Binh Tran, Liming Zhu — NICTA, Australia</i>	
Performance of Defect Prediction in Rapidly Evolving Software	8
<i>Davide Giacomo Cavezza, Roberto Pietrantuono, Stefano Russo — Università degli Studi di Napoli Federico II, Italy</i>	
Predicting Field Reliability	12
<i>Pete Rotella, Sunita Chulani, Devesh Goyal — Cisco Systems Inc., USA</i>	
Continuous Deployment and Schema Evolution in SQL Databases	16
<i>Michael de Jong, Arie van Deursen — Delft University of Technology, Netherlands</i>	
Extracting Configuration Knowledge from Build Files with Symbolic Analysis	20
<i>Shurui Zhou, Jafar Al-Kofahi, Tien N. Nguyen, Christian Kästner, Sarah Nativ — Carnegie Mellon University, USA; Iowa State University, USA; Technische Universität Darmstadt, Germany</i>	
Continuous Delivery with Jenkins: Jenkins Solutions to Implement Continuous Delivery	24
<i>Valentina Armenise — Cloudbees, Belgium</i>	

Research Poster

Accelerating Maven by Delaying Test Dependencies	28
<i>Jonathan Bell, Eric Melski, Gail Kaiser, Mohan Dattatreya — Columbia University, USA;</i>	
<i>Electric Cloud Inc., USA</i>	

Author Index	29
--------------------	----