



10th International Workshop on Mutation Analysis

April 13, 2015, Graz, Austria

Program

10:10 -- Paper Session1 (1 paper)

- Pei Gong, Ruilian Zhao and Zheng Li, “Faster Mutation-based Fault Localization With A Novel Mutation Execution Strategy”

11:00 -- Paper Session2 (5 papers)

- Jay Nanavati, Fan Wu, Mark Harman, Yue Jia and Jens Krinke, “Mutation Testing of Memory-Related Operators”
- Lin Deng, Nariman Mirzaei, Paul Ammann and Jeff Offutt, “Towards Mutation Analysis of Android Apps”
- Matthew Patrick and Yue Jia, “Kernel Density Adaptive Random Testing”
- Paolo Arcaini, Angelo Gargantini, Elvinia Riccobene and Paolo Vavassori, “Rehabilitating equivalent mutants as static anomaly detectors in software artifacts”
- Nan Li, Michael West, Anthony Escalona and Vinicius Durelli, “Mutation Testing in Practice using Ruby”

15:30 -- Paper Session3 (4 papers)

- Robert Kurtz, Paul Ammann and Jeff Offutt, “Static Analysis of Mutant Subsumption”
- Javier Troya, Alexander Bergmayr, Loli Burgueño and Manuel Wimmer, “Systematic Mutations for and with ATL Model Transformations”
- Birgitta Lindström, Sten F Andler, Jeff Offutt, Paul Pettersson and Daniel Sundmark, “Mutating Aspect-Oriented Models to Test Cross-Cutting Concerns”
- Rafael A. P. Oliveira, Emil Alégroth, Zebao Gao and Atif Memon “Definition and Evaluation of Mutation Operators for GUI-level Mutation Analysis”

Keynote – Paul Amman



“Transforming Mutation Testing from the Technology of the Future into the Technology of the Present”

Discussion Panel

“What makes a successful tool”

- how do we measure the tool effectiveness?*
- how do we bridge the gap between research and industry tools?*

Panel Members:

Jeff Offutt (George Mason, USA)

Mark Harman (CREST, UK)

Yue Jia (CREST, UK)

Social dinner offered by CREST

Meet at **18:30**

Restaurant: Azzurro El Greco

Web: (<http://azzurro.at/restaurant-schmiedgasse/>)

Address: Schmiedgasse 18



Program

09:05 -- 10:10

Keynote

10:10 -- 10:30

Paper Session1 (1 paper)

11:00 -- 12:30

Paper Session2 (5 papers)

14:00 -- 15:00

Discussion Panel

Best paper Award

15:30 -- 17:00

Paper Session3 (4 papers)

18:30

Social Event (Dinner offered by CREST)

Statistics

- 18 Submissions
 - 10 papers were accepted
 - 8 full papers
 - 1 short paper
 - 1 industry
- Increasing number of submissions!

TPC

Program Chairs:

- Mike Papadakis, University of Luxembourg, Luxembourg
- Rene Just, University of Washington, USA

Program Committee:

- Paul Ammann, George Mason University, USA
- Leonardo Bottaci, University of Hull, UK
- Lydie du Bousquet, Laboratoire d'Informatique de Grenoble, France
- Jeremy Bradbury, University of Ontario Institute of Technology, Canada
- Byoungju Choi, EWHA Womans University, South Korea
- Gordon Fraser, University of Sheffield, UK
- Milos Gligoric, University of Illinois at Urbana-Champaign, USA
- Mark Harman, University College London, UK
- Rob Hierons, Brunel University, UK
- Bill Howden, University of California at San Diego, USA
- Yue Jia, University College London, UK

TPC

Program Committee:

- Gregory Kapfhammer, Allegheny College, USA
- Yves Le Traon, University of Luxembourg, Luxembourg
- Lech Madeyski, Wroclaw University of Technology, Poland
- José Carlos Maldonado, Universidade de São Paulo, Brasil
- Nicos Malevris, Athens University of Economics and Business, Greece
- Auri Marcelo Rizzo Vincenzi, Universidade Federal de Goiás, Brasil
- Phil McMinn, University of Sheffield, UK
- Mercedes Merayo, Universidad Complutense de Madrid, Spain
- Tejeddine Mouelhi, Itrust, Luxembourg
- Jeff Offutt, George Mason University, USA
- Macario Polo, University of Castilla-La Mancha, Spain
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Search and Testing, University College
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Interdisciplinary Centre for Security,
Reliability and Trust (SnT),
Luxembourg University

Mutation Testing Special Issue



- Submissions: **July 31st**
- Guest Editors:

Mike Papadakis

Rene Just