

AST 2010 Fifth International Workshop on Automation of Software Test

http://www.cs.allegheny.edu/ast2010/

PROGRAM

Monday 03 May

8:00 – 8:50	Registration
8:50 - 9:00	Welcome and opening (Chair: W.K. Chan)
9:00 – 10:00	Keynote (Chair: Gregory M. Kapfhammer)
	Willem Visser
	Finding Important Bugs is not Easy
10:00 – 12:00	S1: Test Artifacts Generation (Chair: John Hughes)
10:00 – 10:25	Abstract Path Testing with PathCrawler (Regular Paper) Nicky Williams
10:25 – 10:55	Morning break
10:55 – 11:20	Structural coverage of feasible code (Regular Paper) Mauro Baluda, Pietro Braione, Giovanni Denaro and Mauro Pezze
11:20 – 11:45	Constraint-based Test Database Generation for SQL Queries (Regular Paper) Claudio de la Riva, María José Suárez-Cabal and Javier Tuya
11:45 – 12:10	Automated Test Case Generation for Combinatorial Testing - Practices and Experiences (Case Study Presentation) Peter Zimmerer

12:10 – 12:30	Charette Session I (Chair: Workshop Co-Chairs)
	Identification of key challenges in software integration testing
12:30 – 13:30	Lunch
13:30 – 15:10	S2: System/Black-Box Testing (Chair: Henry Muccini)
13:30 – 13:55	Generation of Executable Test Cases Based on Behavioral UML System Models (Case Study Paper) Christian Schwarzl and Bernhard Peischl
13:55 – 14:20	Test Automation on Mobile Device (Regular Paper) Liu Zhifang, Liu Bin and Gao Xiaopeng
14:20 – 14:45	Ranking Programs using Black Box Testing (Regular Paper) Koen Claessen, John Hughes, Michał Pałka, Nick Smallbone and Hans Svensson
14:45 – 15:10	Pattern-based Generation of Test Plans for Open Distributed Processing Systems (Regular Paper) Baris Güldali, Stefan Sauer, Peter Winkelhane, Holger Funke and Michael Jahnich
15:10 – 17:15	S3: Test Tools and Environment (Chair: Wolfram Schulte)
15:10 – 15:35	Automating Software Tests with Partial Oracles in Integrated Environments (Case Study Paper) Rene Just and Franz Schweiggert
15:35 – 16:00	Afternoon break
16:00 – 16:25	Automatic Detection of Previously-Unseen Application States for Deployment Environment Testing and Analysis (Regular Paper) Christian Murphy, Moses Vaughan, Waseem Ilahi and Gail Kaiser
16:25 – 16:50	Property Driven Development in Erlang, by Example (Case Study Paper) Samuel Rivas, Miguel Angel Fransisco and Victor M. Gulias
16:50 – 17:15	Systematic Testing of Refactoring Tools (Poster) Andreas Thies and Friedrich Steimann
17:15 – 18:15	Charette Session II (Chair: Program Co-Chairs)
	Identification of R&D pathway for each challenge

Tuesday 04 May

9:00 - 9:05	Welcome (Chair: Gregory M. Kapfhammer)
9:05 - 10:05	Keynote (Chair: Christof J. Budnik)
	Steve Quam
	High-ROI Customer Relevant Automated Testing
10:05 – 12:00	S4: Unit/Source Code Testing (Chair: Paul Strooper)
10:05 – 10:30	Automating Performance Testing of Interactive Java Applications (Regular Paper) Milan Jovic Andrea Adamoli, Dmitrijs Zaparanuks and Matthias Hauswirth
10:30 – 11:00	Morning break
11:00 – 11:25	Partitioning of pre-conditions and post-conditions to design effective tests and carry out Automated debugging (Case Study Presentation) PVR Murthy
11:25 – 11:50	Automatically Extracting Mock Object Behavior from Design by Contract Specification for Test Data Generation (Regular Paper) Stefan J. Galler, Andreas Maller and Franz Wotawa
11:50 – 12:15	Using Temporal Relations to Specify and Test an Instant Messaging Server (Regular Paper) John Hughes, Ulf Norell and Jérôme Sautret
12:15 – 12:30	Charette Session III (Chair: Workshop Co-Chairs)
	Finalization of presentations
12:30 – 13:30	Lunch
13:30 – 15:00	S5: Model-Driven Testing (Chair: Gregory M. Kapfhammer)
13:30 – 13:55	Model-Based Testing in Industry A Case Study with Two MBT Tools (Case Study Paper) Monalisa Sarma, P.V.R. Murthy, Sylvia Jell and Andreas Ulrich
13:55 – 14:20	Model-Based Testing of Multiple GUI Variants Using the GUI Test Generator (Regular Paper) Duc Hoai Nguyen, Paul Strooper and Jorn Guy Suess
14:20 – 14:45	Calculating the Usage Probabilities of Statistical Usage Models by Constraints Optimization (Regular Paper) Winfried Dulz, Reinhard German, Stefan Holpp and Helmut Götz

14:45 – 16:30	S6: Defect Injection and Detection (Chair: Christof J. Budnik)
14:45 – 15:10	Automating the Mutation Testing of Aspect-Oriented Java Programs (Regular Paper)
	Fabiano Ferrari, Elisa Nakagawa, Awais Rashid and Jose Maldonado
15:10 – 15:35	An Effective Method to Control Interrupt Handler for Data Race Detection (Regular Paper) Makoto Higashi, Tetsuo Yamamoto, Yasuhiro Hayase, Takashi Ishio
	and Katsuro Inoue
15:35 – 16:05	Afternoon break
16:05 – 16:30	Towards Automating the Generation of Mutation Tests (Regular Paper) Mike Papadakis, Nicos Malevris and Maria Kallia
16:30 – 17:30	Charette Session IV (Chair: Workshop Co-Chairs)
	Presentations
17:30 – 17:35	Workshop close (Chair: W.K. Chan)