



1st International Symposium on Search Based Software Engineering

Program Schedule – Wednesday, May 13

12:30	Lunch
14:00 – 14:30	Welcome and Introduction
14:30 – 16:00	Keynote Chair: <i>Massimiliano di Penta, University of Sannio, Italy</i> Model-driven Development and Search-based Software Engineering: An Opportunity for Research Synergy <i>Lionel C. Briand, Simula Research Lab and University of Oslo, Norway</i>
16:00	Refreshments
16:30 – 18:00	Session 1 – Testing and Defect Prediction Chair: <i>Rob Hierons, Brunel University, UK</i> Search-Based Testing of Ajax Web Applications <i>Alessandro Marchetto and Paolo Tonella</i> An Improved Meta-Heuristic Search for Constrained Interaction Testing <i>Brady J. Garvin, Myra B. Cohen and Matthew B. Dwyer</i> Evolution and Search Based Metrics to Improve Defects Prediction <i>Segla Kpodjedo, Filippo Ricca, Giuliano Antoniol and Philippe Galinier</i>
19:00	Dinner
	Drinks in the bar, sponsored by Berner and Mattner, Germany



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Program Schedule – Thursday, May 14

08:15	Breakfast
09:00 – 10:30	Keynote Chair: <i>Simon Poulding, University of York</i> Not Your Grandmother's Genetic Algorithm <i>David E. Goldberg, University of Illinois at Urbana-Champaign, USA</i>
10:30	Refreshments
11:00 – 12:30	Session 2 – PhD Student Track Chair: <i>Myra B. Cohen, University of Nebraska – Lincoln, USA</i> Search-Based Prediction of Fault Count Data <i>Wasif Afzal, Richard Torkar and Robert Feldt</i> On Search Based Software Evolution <i>Andrea Arcuri</i> Local Search-Based Refactoring as Graph Transformation <i>Fawad Qayum and Reiko Heckel</i>
12:30	Lunch
14:00 – 15:30	Session 3 – Software Evolution Chair: <i>Paolo Tonella, Fondazione Bruno Kessler - IRST, Italy</i> A Study of the Multi-Objective Next Release Problem <i>J. J. Durillo, Y. Zhang, E. Alba and A. J. Nebro</i> Dynamic Architectural Selection: A Genetic Algorithm Based Approach <i>Dongsun Kim and Sooyong Park</i> On the Use of Discretized Source Code Metrics for Author Identification <i>Maxim Shevertalov, Jay Kothari, Edward Stehle and Spiros Mancoridis</i>
15:30	Refreshments
16:00 – 18:00	Software Engineering Experts' Panel – The Status and Future of SBSE in the Software Engineering Community Chair: <i>Mark Harman, King's College London, UK</i> <i>Norman Fenton, Queen Mary, University of London, UK</i> <i>Anthony Finkelstein, University College London, UK</i> <i>Paola Inverardi, Università dell'Aquila, Italy</i> <i>Mary Lou Soffa, University of Virginia, USA</i> <i>Ian Sommerville, University of St Andrews, UK</i>
19:00	Dinner
	Drinks in the bar, sponsored by Sogeti, UK



1st International Symposium on Search Based Software Engineering

Program Schedule – Friday, May 15

08:00	Breakfast
08:45 – 10:15	Keynote Chair: <i>Myra B. Cohen, University of Nebraska – Lincoln, USA</i> How Can Metaheuristics Help Software Engineers <i>Enrique Alba, Universidad de Málaga, Spain</i>
10:15	Refreshments
10:45 – 12:15	Session 4 – Short Papers Chair: <i>Iain Bate, University of York, UK</i> Search-Based Testing with in-the-loop Systems <i>Joachim Wegener and Peter M. Kruse</i> A Testability Transformation Approach for State-Based Programs <i>AbdulSalam Kalaji, Robert M. Hierons and Stephen Swift</i> Searching for Rules to find Defective Modules in Unbalanced Datasets <i>D. Rodríguez, J.C. Riquelme, R. Ruiz, and J.S. Aguilar-Ruiz</i> Formal model simulation: can it be guided? <i>Thang H. Bui and Albert Nymeyer</i> How can optimization models support the maintenance of component-based software? <i>Vittorio Cortellessa and Pasqualina Potena</i>
12:15	Lunch
13:00 – 14:30	Session 5 – Testing Chair: <i>Phil McMinn, University of Sheffield, UK</i> WCET Analysis of Modern Processors Using Multi-Criteria Optimisation <i>Usman Khan and Iain Bate</i> Full Theoretical Runtime Analysis of Alternating Variable Method on the Triangle Classification Problem <i>Andrea Arcuri</i> Widening the Goal Posts: Program Stretching to Aid Search Based Software Testing <i>Kamran Ghani and John A. Clark</i>
14:30	Refreshments

15:00 – 16:00	Session 6 – Fast Abstracts Chair: <i>Mark Harman, King's College London, UK</i>
	Guiding the Search-Based Testing via Dominances vs. Control Dependencies <i>Ahmed S. Ghiduk</i>
	A Hybrid Heuristic Approach for Scheduling Bug Fix Tasks to Software <i>Fernando Netto, Márcio Barros and Adriana Alvim</i>
	Ant Colony Optimization for Requirement selection in Incremental Software development <i>José del Sagrado and Isabel María del Águila</i>
	Human vs Algorithm <i>Carolyn Mair and Martin Shepperd</i>
	Using computational search to generate 2-way covering array <i>Changhai Nie, Hareton Leung and Baowen Xu</i>
16:00 – 16:15	Concluding Remarks
