

	Day 1 Saturday, September 9, 2017	Day 2 Sunday, September 10, 2017	Day 3 Monday, September 11, 2017	
8:45 - 9:00	Welcome from the conference organisers Session Chair: Justyna Petke	Session Chair: Lars Grunske	Session Chair: Tim Menzies	
9:00-10:30	KEYNOTE1:  The Grass isn't Always Greener: A Changing Neighborhood and Varying Landscape. Prof. Myra Cohen.  Best paper awards announcement	KEYNOTE2:  Industrial Applications of Evolutionary Testing. Dr. Joachim Wegener.  Steering Committee elections	Many Independent Objective (MIO) Algorithm for Test Suite Generation. Andrea Arcuri LIPS vs MOSA: a Replicated Empirical Study on Automated Test Case Generation. Annibale Panichella, Fitsum Meshesha Kifetew and Paolo Tonella. An Empirical Evaluation of Evolutionary Algorithms for Test Suite Generation. José Campos, Yan Ge, Gordon Fraser, Marcelo Eler and Andrea Arcuri. Evaluating CAVM: A New Search-Based Test Data Generation Tool for C. Junhwi Kim, Byeonghyeon You, Minhyuk Kwon, Phil McMinn and Shin Yoo.	Keynote Distinguished (long) paper Long paper Short paper
10:30-11:00	Coffee & tea break Session Chair: Gordon Fraser	Coffee & tea break (+ SC winners announcement) Session Chair: Andrea Arcuri	Coffee & tea break Session Chair: José Miguel Rojas	Tutorial Student paper
11:00-12:30	Search Based Path and Input Data Generation for Web Application Testing. Matteo Biagiola, Paolo Tonella and Filippo Ricca.  Generating Effective Test Suites by Combining Coverage Criteria. Gregory Gay Automatic Detection of Incomplete Requirements using Symbolic Analysis and Evolutionary Computation. Byron Devries and Betty Cheng. Grammar Based Genetic Programming for Software Configuration Problem. Fitsum Meshesha Kifetew, Denisse Muñante, Jesús Gorroñoigoitia, Alberto Siena, Angelo Susi and Anna Perini.	A systematic mapping study of search-based software engineering for software product lines. Roberto E. Lopez-Herrejon, Lukas Linsbauer, and Alexander Egyed. 2015., From Inf. Softw. Technol. 61, C (May 2015), 33-51.  Search-based unit test generation with EvoSuite Prof. Gordon Fraser	Algorithms for Multiobjective Optimization and How to Benchmark Them Dr. Dimo Brockhoff	Challenge Paper Journal first talk Organisation
12:30-14:00	Lunch Session Chair: Gregory Gay	Lunch, SC meeting Session Chair: Claire Le Goues	Lunch Session Chair: Matheus Paixao	Break
14:00-15:30	Multi-objective optimization with the jMetal framework. Applications to SBSE Prof. Antonio J. Nebro	Evaluation of Parallelisation of Genetic Programming using GPGPU, Jinhan Kim, Junhwi Kim and Shin Yoo MuSynth: Program Synthesis via Code Reuse and Code Manipulation Vineeth Kashyap, Rebecca Swords, Eric Schulte and David Melski  Automated Controlled Experimentation on Software by Evolutionary Bandit Optimization. Rasmus Ros, Elizabeth Bjarnason and Per Runeson Diversity in Search-based Unit Test Suite Generation. Nasser Alburnian	An Investigation into the Use of Mutation Analysis for Automated Program Repair. Christopher Steven Timperley, Susan Stepney and Claire Le Goues. Human Resource Optimization for Bug Fixing: Balancing Short-Term and Long-Term Objectives Elias Khalil, Mustafa Assaf and Abdel Salam Sayyad. Closing & SSBSE 2018 announcement	Social event
15:30-16:00	Coffee & tea break Session Chair: David R. White	Coffee & tea break Session Chair: Uwe Pohlmann		
16:00-17:30	A Hyper-heuristic for Multi-Objective Integration and Test Ordering in Google Guava. Giovanni Guizzo, Mosab Bazargani, Matheus Paixao and John Drake Optimising Darwinian Data Structures on Google Guava. Michail Basios, Lingbo Li, Fan Wu, Leslie Kanthan and Earl Barr Hyperheuristic Observation Based Slicing of Guava Seongmin Lee and Shin Yoo Using Search-Based Test Generation to Discover Real Faults in Guava. Hussein Almulla, Alireza Salahirad and Gregory Gay	Technical debt reduction using search based automated refactoring. Mohan, Michael, Des Greer, and Paul McMullan. From Journal of Systems and Software 120 (2016): 183-194.  Optimization Search for GUIs and Cyber-physical Systems Prof. Hermann Kaindl		
Friday, 7pm, Reception	Conference Dinner			