**2nd International Symposium on
Search Based Software Engineering**

Program Schedule – Tuesday, September 7

09:00 – 10:30	**Welcome**
	Keynote – Better Together: Hybridized Search Based Techniques *Paolo Tonella, Fondazione Bruno Kessler, Trento, Italy*
10:30	Refreshments
11:00 – 12:30	**Session 1 – Landscapes and Representation**
	Applying Elementary Landscape Analysis to Search-Based Software Engineering *Guanzhou Lu, Rami Bahsoon and Xin Yao*
	How Does Program Structure Impact the Effectiveness of the Crossover Operator in Evolutionary Testing? *Phil McMinn*
	A Novel Mask-Coding Representation for Set Cover Problems with Applications in Test Suite Minimisation *Shin Yoo*
12:30	Lunch
14:00 – 15:30	**Session 2 – PhD Papers**
	Test Case Selection Method for Emergency Changes *Fabio Farzat*
	Sophisticated Testing of Concurrent Programs *Zdeněk Letko*
	An optimization-based approach to software development process tailoring *Andréa Magdaleno*
15:30	Refreshments
16:00 – 17:30	**Session 3 – Requirements and Prioritization**
	Search Based Optimization of Requirements Interaction Management *Yuanyuan Zhang and Mark Harman*
	Using Interactive GA for Requirements Prioritization *Paolo Tonella, Angelo Susi and Francis Palma*
	Ant Colony Optimization for the Next Release Problem. A comparative study. *José del Sagrado, Isabel María del Águila and Francisco Javier Orellana*

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Program Schedule – Wednesday, September 8

09:00 – 10:30	**Keynote – Is There a Free Lunch for Human and Search-Based Software Engineering?** *Riccardo Poli, University of Essex, UK*
10:30	Refreshments
11:00 – 12:30	**SSBSE 2011 Announcement** **Session 4 – Process Management** Search-based prediction of fault-slip-through in large software projects *Wasif Afzal, Richard Torkar, Robert Feldt and Greger Wikstrand* Genetic Programming for Effort Estimation: an Analysis of the Impact of Different Fitness Functions *Filomena Ferrucci, Carmine Gravino, Rocco Oliveto and Federica Sarro*
12:30	Lunch
14:00 – 15:30	**Panel Discussion** Can search-based software engineering play an instrumental role in making software engineering technologies scalable and practical?
15:30	Refreshments
16:00 – 17:30	**Fast Abstracts Session**

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Program Schedule – Thursday, September 9

09:00 – 10:30	**Session 5 – Testing and Diagnostics**

AUSTIN: A tool for Search Based Software Testing for the C Language and its Evaluation on Deployed Automotive Systems
Kiran Lakhotia, Mark Harman and Hamilton Gross

A Search-Based Approach to Functional Hardware-in-the-Loop Testing
Felix Lindlar and Andreas Windisch

Using Search Methods for Selecting and Combining Software Sensors to Improve Fault Detection in Autonomic Systems
Maxim Shevertalov, Kevin Lynch, Edward Stehle, Chris Rorres and Spiros Mancoridis

10:30	Refreshments
11:00 – 12:30	**Session 6 – General and Enablers**

Search-based resource scheduling for bug fixing tasks
Junchao Xiao and Wasif Afzal

The Human Competitiveness of Search Based Software Engineering
Jerffeson Souza, Camila Maia, Fabricio Freitas and Daniel Coutinho

Concept Locations with Genetic Algorithms: A Comparison of Four Distributed Architectures
Fatemeh Asadi, Giuliano Antoniol and Yann-Gaël Guéhéneuc

12:30 – 13:00	**Closing Remarks**
13:00	Lunch