

# TAIC PART 2007 Programme

## Day One, Wednesday 12th September

10:00 Arrival and Coffee

10:30 Welcome to TAIC PART 2007 (Mark Harman and Phil McMinn)

10.50 Short Break

11:00 Keynote: Maret Boshernitsan (Agitar Software Inc.)

12.30 Lunch

2:00 Paper Session 1 – Automatic Test Case Generation

Xianghua Deng, Robby, John Hatcliff (Kansas State University)

*Kiasan/KUnit: Automatic Test Case Generation and Analysis Feedback for Open Object-oriented Systems*

Daryl Shannon, Sukant Hajra, Alison Lee, Daiqian Zhan, Sarfraz Khurshid  
(University of Texas at Austin)

*Abstracting Symbolic Execution with String Analysis*

Stefan Wappler (Technical University of Berlin), André Baresel (QVI Tech GmbH) and  
Joachim Wegener (DaimlerChrysler)

*Improving Evolutionary Testing in the Presence of Function-Assigned Flags*

3.30 Tea

4:00 Paper Session 2 – Techniques, Methods and Tools

Stephen Allot (Electromind)

*Testing techniques - are they of any practical use?*

Paul Gerrard (Gerrard Consulting)

*Development of Methods and Tools for ERP Implementations*

5:00 Paper Session 3 – Model-Based Testing

Paul Baker and Clive Jervis (Motorola)

*Early UML Model Testing using TTCN-3 and the UML Testing Profile*

Florentin Ipate and Raluca Lefticaru (University of Pitesti)

*State-based Testing is Functional Testing!*

6:00 Close

7:00 Dinner

## Day Two, Thursday 13<sup>th</sup> September

8:00 Breakfast

9:00 Paper Session 4 – PhD Papers

Eduardo Aranha and Paulo Borba (University of Pernambuco and Motorola)  
*Test Effort Estimation Models Based on Test Specifications*

Andrea Arcuri and Xin Yao (University of Birmingham)  
*On Test Data Generation of Object-Oriented Software*

Konstantinos Liaskos and Marc Roper (University of Strathclyde)  
*Automatic Test-Data Generation: An Immunological Approach*

Liang Huang, Chris Thomson and Mike Holcombe (University of Sheffield)  
*How good are your testers? An assessment of testing ability*

10.20 Coffee

10:45 Tools Session

12.30 Lunch

2:00 Walk

3.30 Tea

4:00 Paper Session 5 – Fault Localisation and Prediction

Rui Abreu, Peter Zoetewij, Arjan J.C. van Gemund (Delft University of Technology)  
*On the Accuracy of Spectrum-based Fault Localization*

David Binkley, Henry Feild, Dawn Lawrie (Loyola College),  
Maurizo Pighin (Universita' degli Studi di Udine)  
*Software Fault Prediction using Language Processing*

5:00 Close

5:30 Poster Session

7:00 Conference Banquet

## Day Three, Friday 14<sup>th</sup> September

8:00 Breakfast

9:00 Keynote: Andreas Zeller (Saarland University)

10.30 Coffee

11:00 Speed Dating

12.30 Lunch

2:00 Paper Session 6 – Constraint-Based Testing and Constraint Solving

Florence Charretour (IRISA/Univ. de Rennes), Bernard Botella (CEA LIST) and  
Arnaud Gotlieb (IRISA/INRIA Rennes)

*Modelling Dynamic Memory Management in Constraint-Based Testing*

Myra Cohen, Matthew Dwyer and Jiangfan Shi (University of Nebraska-Lincoln)

*Exploiting Constraint Solving History to Construct Interaction Test Suites*

3.00 Tea

3:30 Industrial Panel, Next Steps & Closing Remarks

5:00 Close