



TAIC PART 2010

Testing: Academic & Industrial Conference - Practice and Research Techniques

Friday, September 3

- 09:00 Arrival and Coffee
- 09:50 Welcome to TAIC PART 2010
- 10:00 Keynote Address:
- Bertrand Meyer, ETH Zürich, Switzerland: Automatic Testing and Fixing for Eiffel
- 11:30 Tea
- 12:00 Paper Session One - Full Papers (Session Chair: Steve Counsell)
- Bad Pairs in Software Testing (Daniel Hoffman, Mitch Chang, Gary Bazdell, Brett Stevens, Kevin Yoo)
 - Linguistic Security Testing for Text Communication Protocols (Ben Kam, Thomas Dean)
- 13:00 Lunch
- 14:15 Walk
- 16:00 Tea
- 16:30 Paper Session Two - Full Papers (Session Chair: Daniel Hoffmann)
- Masking Boundary Value Coverage: Effectiveness and Efficiency (P. Vijay Suman, Tukaram Muske, Prasad Bokil, Ulka Shrotri, Venkatesh R)
 - Model Checking Erlang - A Comparison between Etomcrl2 and McErlang (Qiang Guo, John Derrick, Clara Benac Earle, Lars-Ake Fredlund)
 - Filtering Test Models to Support Incremental Testing (Antti Jäskeläinen)
 - Localizing Defects in Multithreaded Programs by Mining Dynamic Call Graphs (Frank Eichinger, Victor Pankratius, Philipp W. L. Grosse, Klemens Böhm)
- 19:15 Dinner

Saturday, September 4

- 08:00 Breakfast
- 09:00 Keynote Address:
- Wolfgang Grieskamp, Microsoft, USA: Microsoft's Protocol Documentation Program: A Success Story for Model-Based Testing
- 10:30 Tea
- 11:00 Paper Session Three - Full / Challenge Paper & Experience Reports (Session Chair: Vahid Garousi)
- Does Testing Help to Reduce the Number of Potentially Faulty Statements in Debugging (Mihai Nica, Simona Nica, Franz Wotawa)
 - The Practical Assessment of Test Sets with Inductive Inference Techniques (Neil Walkinshaw)
 - Mining API Popularity (Yana Mileva, Valentin Dallmeier, Andreas Zeller)
 - Automatic Discovery of Unspecified Behaviors in Automotive Control Software (Muzammil Shahbaz, Robert Eschbach)
- 13:00 Lunch

- 14:30 Tools Session (Session Chair: Lydie du Bousquet)
- An Open-Source Tool for Automated Generation of Black-box xUnit Test Code and its Industrial Evaluation (Christian Wiederseiner, Shahnewaz Amin Jolly, Vahid Garousi, Matt M. Eskandar)
 - TeCReVis: A Tool for Test Coverage and Test Redundancy Visualization (Negar Koochakzadeh, Vahid Garousi)
 - A Fault Injection Tool for Testing Web Services Composition (Faycal Bessayah, Ana Cavalli, Willian Maja, Eliane Martins, Andre W. Valenti)
- 15:30 Tea
- 16:00 Tools Session (Session Chair: Len Bottaci)
- Synthesis of On-line Planning Tester for Non-deterministic EFSM Models Marko Kääramees, Kullo Raiend, Juri Vain)
 - A Generic Approach to Run Mutation Analysis (Stephan Weissleder, Siamak Haschemi)
 - Reverse Engineering - Traces to State Machines (Kirill Bogdanov)
- 17:30 Tool Demo Session
- 19:15 Conference Banquet

Sunday, September 5

- 09:00 Breakfast
- 10:00 Keynote Address:
- Sir Tony Hoare, Microsoft Research, UK: Testing and Proving, Hand-in-Hand
- 11:30 Tea
- 12:00 Fast Abstracts (Session Chair: Neil Walkinshaw)
- An Empirical Evaluation to Study Benefits of Visual versus Textual Test Coverage Information (Vahid Garousi, Negar Koochakzadeh)
 - A Multi-Criteria Decision Making Framework for Real Time Model-Based Testing (Mohammad Saeed Abou Trab, Bachar Alrouh, Steve Counsell, Rob Hierons, George Ghinea)
 - Improved Testing Through Refactoring: Experience from the ProTest Project (Simon Thompson, Huiqing Li)
 - A New Approach for Software Testability (Lydie du Bousquet)
 - Towards Run-time Monitoring of Web Services Conformance to Business-Level Agreements (Konstantinos Bratanis, Dimitris Dranidis, Anthony Simons)
- 13:00 Lunch
- 14:00 Fast Abstracts (Session Chair: TBA)
- DOM Transactions for Testing JavaScript (Phillip Heidegger, Annette Bieniusa, Peter Thiemann)
 - The GZoltar Project: A Graphical Debugger Interface (Andre Riboira, Rui Abreu)
- 14:30 Panel Discussion
- 15:30 Closing & Tea