ASE 2007 Short Paper Program

Wednesday, November 7th, 4pm-6pm

Location: Noble Ballrooms II/III

"Driving the selection of COTS on the basis of system requirements"
Vittorio Cortellessa, University of L'Aquila
Ivica Crnkovic, Mälardalen University
Fabrizio Marinelli, Ecole Polytechnique
Pasqualina Potena, G. d'Annunzio University

"Evacon: A Framework for Integrating Evolutionary Testing and Concolic Testing for Object-Oriented Programs"
Kobi Inkumsah, and Tao Xie, North Carolina State University

"Automated Detection of API Refactorings in Libraries"
Kunal Taneja, North Carolina State University
Danny Dig, University of Illinois at Urbana-Champaign
Tao Xie, North Carolina State University

"Model-Driven Derivation of Product Architectures"
Goetz Botterweck, Liam O'Brien, and Steffen Thiel, University of Limerick, Ireland

"A Benchmark for Evaluating Software Model Checkers in Buffer Overflow Analysis"
Kelvin Ku, Thomas Hart, Marsha Chechik, and David Lie, University of Toronto

"Modeling and Validating Infinite-State Hard-Real-Time Systems"
Robert Hall, AT&T Labs Research

"Direct-Dependency-based Software Compatibility Testing"
Il-Chul Yoon, Alan Sussman, Atif Memon, and Adam Porter, University of Maryland

"Self-configuration framework for Networked Systems and Applications"
Huoping Chen and Salim Hariri, University of Arizona

"SAFARI : A Meta-Tooling Platform for Creating Language-Specific IDEs in Eclipse"
Philippe Charles, Robert H. Fuhrer, and Stanley S. Sutton, IBM T.J. Watson Research Center

"Unit Testing Concurrent Software"
William Pugh and Nathaniel Ayewah, University of Maryland

"An Energy Consumption Framework for Distributed Java-Based Systems"
Chiyoung Seo, Sam Malek, and Nenad Medvidovic, University of Southern California

"Scheduling of Conflicting Refactorings to Promote Quality Improvement"
Hui Liu, Ge Li, Zhiyi Ma, and Weizhong Shao, Peking University

"Towards Leveraging Model Transformation To Support Model-Based Testing"
Leila Naslavsky, Hadar Ziv, and Debra Richardson, University of California, Irvine

"Verifying C++ with STL Containers via Predicate Abstraction"
Nicolas Blanc, ETH Zurich
Alex Groce, Jet Propulsion Laboratory
Daniel Kroening, ETH Zurich

"Combining Environment Generation and Slicing for Modular Software Model Checking"
Oksana Tkachuk and Sreeranga Rajan, Fujitsu Laboratories of America

"Mining Modal Scenario-based Specifications from Execution Traces of Reactive Systems"
David Lo, National University of Singapore
Shahar Maoz, The Weizmann Institute of Science, Israel
Siau-Cheng Khoo, National University of Singapore

"Mining Concepts from Code with Probabilistic Topic Models"
Erik Linstead, Paul Rigor, Sushil Bajracharya, Cristina Lopes, and Pierre Baldi, University of California, Irvine

"Reducing Irrelevant Trace Variations"
Madeline Diep, Sebastian Elbaum, and Mathew Dwyer, University of Nebraska

"Validating System Properties Exhibited in Execution Traces"
Fangzhe Chang and Jennifer Ren, Bell Labs, Alcatel-Lucent

"Checking Threat Modeling Data Flow Diagrams in the Large"
Marwan Abi-Antoun, Carnegie Mellon University
Daniel Wang and Peter Torr, Microsoft

Friday, November 9th, 8:30am-10:30am

Location: Noble Ballrooms II/III

"Behavioural Adaptation of Component Compositions based on Process Algebra Encodings"
Radu Mateescu and Pascal Poizat, INRIA
Gwen Salaün, University of Malaga

"An Infrastructure for Autonomic System Development: the SelfLet Approach"
Davide Devescovi, Elisabetta Di Nitto, and Raffaela Mirandola, Politecnico di Milano

"Improving UML Profile Design Practices by Leveraging Conceptual Domain Models"
Francois Lagarde, Huascar Espinoza, and Sébastien Gérard, CEA LIST

"Semi-automated Heuristic Search for Repetitive Small-Scale Changes"
Mark McIntyre and Robert Walker, University of Calgary

"Iterative Model-Driven Development of Adaptable Service-Based Applications"
Hartmut Ehrig and Leen Lambers, Technical University of Berlin, Germany
Leonardo Mariani and Mauro Pezzè, University of Milano

"Automatic Test Case Generation for Object-Oriented Unit Testing Using Genetic Programming"
Stefan Wappler and Ina Schieferdecker, Technical University of Berlin

"Efficient Unit Test Case Minimization"
Andreas Leitner and Manuel Oriol, ETH Zurich
Andreas Zeller, Saarland University
Ilinca Ciupa and Bertrand Meyer, ETH Zurich

"A Framework and Tool Supports for Testing Modularity of Software Design"
Yuanfang Cai and Sunny Huynh, Drexel University
Tao Xie, North Carolina State University

"Covering Array Sampling of Input Event Sequences for Automated GUI Testing"
Xun Yuan, University of Maryland
Myra Cohen, University of Nebraska
Atif Memon, University of Maryland

"Extraction of Bug Localization Benchmarks from History"
Valentin Dallmeier and Thomas Zimmermann, Saarland University

"Mining Call-Usage Patterns with Syntactic Context"
Huzefa Kagdi, Michael Collard, and Jonathan Maletic, Kent State University

"Automated Consistency Checks of Product Line Requirements Specifications"
Kim Lauenroth and Klaus Pohl, University of Duisburg-Essen

"Test Automataion for Kernel Code and Disk Arrays with Virtual Devices"
Lin-Zan Cai, Rong-Shiung Wu, Wen-Ting Huang, and Farn Wang, National Taiwan University

"Extracting Rights and Obligations from Regulations: Towards a Tool-Supported Process"
Nadzeya Kiyavitskaya, Nicola Zeni, University of Trento
Travis D. Breaux and Annie I. Anton, North Carolina State University
J. R. Cordy, Queens University
Luisa Mich and John Mylopoulos, University of Trento

"Taking Predicate Abstraction to the Limit"
Thomas Witkowski, Dresden University of Technology
Nicolas Blanc, Georg Weissenbacher, and Daniel Kroening, ETH Zurich

"Coevolving Programs and Unit Tests from their Specification"
Andrea Arcuri and Xin Yao, University of Birmingham.

"Feature Interaction Analysis: A Maintenance Perspective"
Maryam Shiri, Jameleddine Hassine, and Juergen Rilling, Concordia University

"Modular and Generic Programming with IntepreterLib"
Philip Weaver and Perry Alexander, University of Kansas