WODA 2008 Program

Monday, July 21, 2008

9:00 – 9:05  Workshop Introduction

WODA 2008 Chairs: B. Liblit (University of Wisconsin–Madison), A. Rountev (Ohio State University)

9:05 – 10:35  Session 1: Program Understanding

- Dynamic Detection of Event Handlers
  S. Reiss (Brown University)

- Feature-level Phase Detection for Execution Trace Using Object Cache
  Y. Watanabe, T. Ishio, K. Inoue (Osaka University)

- A Dynamic Tool for Finding Redundant Computations in Native Code
  K. Lee, Z. Benaissa, J. Rodriguez (Intel)

10:35 – 11:00  Coffee break

11:00 – 12:30  Session 2: Testing

- Random Testing and Model Checking: Building a Common Framework for Nondeterministic Exploration
  A. Groce, R. Joshi (Jet Propulsion Laboratory)

- Testing Mobile Computing Applications: Toward a Scenario Language and Tools
  M. D. Nguyen, H. Waeselynck, N. Rivière (LAAS-CNRS and University of Toulouse)

- BERT: BEhavioral Regression Testing
  A. Orso (Georgia Institute of Technology), T. Xie (North Carolina State University)

12:30 – 2:00  Lunch

2:00 – 3:30  Session 3: Inferring and Checking of Run-time Constraints

- Efficient Runtime Invariant Checking: A Framework and Case Study
  M. Gorbovitski, T. Rothamel, Y. A. Liu, S. Stoller (Stony Brook University)

- Mining Past-Time Temporal Rules from Execution Traces
  D. Lo, S.-C. Khoo (National University of Singapore), C. Liu (Microsoft Research)

- Extending Dynamic Constraint Detection with Disjunctive Constraints
  N. Kuzmina, J. Paul, R. Gamboa, J. Caldwell (University of Wyoming)

3:30 – 4:00  Coffee break

4:00 – 5:00  Session 4: Fault Localization

- An Observation-based Model for Fault Localization
  R. Abreu, P. Zoeteweij, A. J. C. van Gemund (Delft University of Technology)

- Replaying and Isolating Failing Multi-Object Interactions
  M. Burger, A. Zeller (Universität des Saarlandes)

5:00 – 5:30  Discussion and wrap-up