Foreword

It is our great pleasure to welcome you to ISSTA 2006 – The 2006 International Symposium on Software Testing and Analysis. This year’s symposium continues its tradition of being the leading conference in software testing and analysis, bringing together academics, industrial researchers, and practitioners to exchange new ideas, solve problems, and share experiences related to problems involving software testing and program analysis.

The technical program of ISSTA 2006 consists of technical papers, industry papers, and big-new-ideas papers. Eighty-four, seven, and three papers were submitted to the technical, industry, and big-new-ideas papers calls, respectively. Each paper was reviewed by at least three members of the respective Program Committees, and some were reviewed by more members or outside reviewers. The Program Committee selected twenty-two technical papers, three industry papers, and one big-new-ideas papers for inclusion in the conference.

The New Faculty Symposium provides a forum for new Assistant Professors conducting research in the area of software testing and analysis. The symposium includes presentations by Laurie Dillon and Michal Young, who provide guidance and advice based on experiences and insights into research, teaching, and service challenges as a new faculty member. The first Doctoral Symposium held at ISSTA provides a forum for Ph.D. students working in the area of software testing and analysis to publicly discuss their research goals, methods, and preliminary results with senior researchers from the software testing and analysis community in a constructive and friendly atmosphere. Participants receive useful guidance for completion of their dissertation research and initiation of a research career in software testing and analysis. The nine submissions were reviewed by the Doctoral Symposium Committee; seven were selected for presentation. Five workshops are being held in conjunction with ISSTA 2006 - Workshop on Parallel and Distributed Systems: Testing and Debugging (PADTAD), Workshop on Testing, Analysis and Verification of Web Services and Applications (TAV-WEB), Workshop on the Role of Software Architecture for Testing and Analysis (ROSATEA), First International Workshop on Random Testing (RT), and Second Workshop on Testing Aspect-Oriented programs (WTAOP).

Putting together ISSTA 2006 was a team effort. We would like to thank the authors and invited speakers for providing the content of the program. We would like to express our gratitude to the program committees who committed to the first electronic program committee meeting, and worked very hard in reviewing papers and providing detailed reviews to the authors. Lori Clarke, Gregg Rothermel, Antonia Bertolino, and Barbara Ryder organized and provided valuable mentoring during the Doctoral Symposium. Emily Gibson maintained the ISSTA’06 web site and Charles Welty helped with local arrangements. Lisa Tolles of Sheridan Printing and Adrienne Griscti of ACM coordinated the proceedings process. The ISSTA Steering Committee led by George Avrunin provided advice about the conference. The workshop chairs provided opportunities for in-depth discussions in particular areas related to ISSTA’06. Finally, we gratefully acknowledge the sponsorship of ACM and ACM SIGSOFT and support of ACM SIGPLAN, and we thank our corporate donors, Microsoft Research and IBM Research, for contributions that helped defray the cost of student attendance at the conference.

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ISSTA'06 Table of Contents

ISSTA 2006 Foreword
ISSTA 2006 Conference Organization
Sponsors & Supporters

Session 1: Test Case Selection and Generation

Time-Aware Test Suite Prioritization (Page 1)
K. R. Walcott (University of Virginia)
M. L. Soffa (University of Virginia)
G. M. Kapfhammer (Allegheny College)
R. S. Roos (Allegheny College)

The Species per Path Approach to Search-Based Test Data Generation (Page 13)
P. McMinn (University of Sheffield)
M. Harman (King's College London)
D. Binkley (Loyola College)
P. Tonella (ITC-irst)

Coverage Metrics for Requirements-Based Testing (Page 25)
M. W. Whalen (Rockwell Collins Inc.)
A. Rajan (University of Minnesota)
M. P. E. Heimdahl (University of Minnesota)
S. P. Miller (Rockwell Collins Inc.)

Test Input Generation for Java Containers using State Matching (Page 37)
W. Visser (RIACS/NASA Ames)
C. S. Păsăreanu (QSS/NASA Ames)
R. S. Pelánek (Masaryk University)

Session 2: Empirical Studies

Experimental Program Analysis: A New Program Analysis Paradigm (Big New Ideas Paper) (Page 49)
J. R. Ruthruff (University of Nebraska at Lincoln)
S. Elbaum (University of Nebraska at Lincoln)
G. Rothermel (University of Nebraska at Lincoln)

Looking For Bugs in All the Right Places (Page 61)
R. M. Bell (AT&T Labs)
T. J. Ostrand (AT&T Labs)
E. J. Weyuker (AT&T Labs)

A Model and Sensitivity Analysis of the Quality
Economics of Defect-Detection Techniques (Page 73)
S. Wagner (Technische Universität München)

Session 3: Modular Reasoning
Subdomain Testing of Units and Systems with State (Page 85)
D. Hamlet (Portland State University)

Breaking Up is Hard to Do: An Investigation of Decomposition for Assume-Guarantee Reasoning (Page 97)
J. M. Cobleigh (University of Massachusetts)
G. S. Avrunin (University of Massachusetts)
L. A. Clarke (University of Massachusetts)

Modular Verification of Code with SAT (Page 109)
G. Dennis (Massachusetts Institute of Technology)
F. S.-H. Chang (Massachusetts Institute of Technology)
D. Jackson (Massachusetts Institute of Technology)

Session 4: Static Analysis
Role-Based Access Control Consistency Validation (Page 121)
P. Centonze (IBM T.J. Watson Research Center)
G. Naumovich (Polytechnic University)
S. J. Fink (IBM T.J. Watson Research Center)
M. Pistoia (IBM T.J. Watson Research Center)

Effective Typestate Verification in the Presence of Aliasing (Page 133)
S. Fink (IBM T.J. Watson Research Center)
E. Yahav (IBM T.J. Watson Research Center)
N. Dor (IBM Haifa Research Lab.)
G. Ramalingam (IBM T.J. Watson Research Center)
E. Geay (IBM T.J. Watson Research Center)

Testing, Abstraction, Theorem Proving: Better Together! (Page 145)
G. Yorsh (Tel Aviv University)
T. Ball (Microsoft Research)
M. Sagiv (Tel Aviv University)

Using Model Checking with Symbolic Execution to Verify Parallel Numerical Programs (Page 157)
S. F. Siegel (University of Massachusetts)
A. Mironova (University of Utah)
G. S. Avrunin (University of Massachusetts)
L. A. Clarke (University of Massachusetts)

Session 5: Test Execution
From Daikon to Agitator: Lessons and Challenges in Building a Commercial Tool for Developer Testing (Industry Paper) (Page 169)
M. Boshert (Agitar Software, Inc.)
R. Doong (Agitar Software, Inc.)
A. Savoia (Agitar Software, Inc.)

Run-Time Monitoring of Architecturally Significant
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