ISSTA 2004
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Edited by
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University of Nebraska - Lincoln
Message from the Program Chair

Welcome to ISSTA 2004: the Fourteenth International Symposium on Software Testing and Analysis. ISSTA 2004 brings 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 program for ISSTA 2004 begins with two workshops: the Workshop on Testing, Analysis, and Verification of Web Services, and the Workshop on Empirical Research in Software Testing. These workshops are followed by the ISSTA technical program, which consists of research papers, tools papers, and two invited speakers. Ninety-three research papers were submitted to ISSTA. Each paper was reviewed by at least three members of the Program Committee, and some were reviewed by four or five members and/or outside reviewers. The Program Committee selected twenty-six of these papers for inclusion in the conference. Eight tools papers were also submitted, and the Program Committee selected two of these papers. Our invited speakers, Robert Kurshan, and David Harel, speak on issues relevant to analysis and validation of software.

ISSTA 2004 is collocated with the 16th International Conference on Computer Aided Verification (CAV), and the final day of ISSTA's technical program is also the first day of CAV's technical program. ISSTA and CAV sessions on this shared day are open to attendees of both conferences: the day includes a joint ISSTA/CAV keynote address by David Harel, as well as ISSTA and CAV technical papers sessions. To further facilitate interaction, a joint ISSTA/CAV reception will be held on Tuesday night. We also hope that you'll stay and participate in the CAV sessions in the days that follow.

I would like to thank all the people who have worked hard to bring this ISSTA about. George Avrunin, the General Chair, provided a wonderful setting for the conference, oversaw all the myriad details involved in organizing the event, and provided helpful feedback on most of the decisions involving the program and the process of creating it. The Program Committee members each reviewed many papers, wrote detailed reviews, and travelled to Boston for the Program Committee meeting. Stephen Siegel handled all of our publicity needs. Shriram Krishnamurthi provided the Continue Server, our electronic paper submission and reviewing system. Pete Hopkins managed the Continue Server, and implemented numerous enhancements on short notice. Lisa Tolles of Sheridan Printing coordinated the creation of the proceedings. Antonia Bertolino, Lori Clarke, Laurie Dillon, Phyllis Frankl, and Mary Jean Harrold all helped answer questions and provide advice about the conference. We gratefully acknowledge the sponsorship of ACM and ACM SIGSOFT and the support of ACM SIGPLAN, and we thank our corporate donors, IBM Research and Microsoft Research, for contributions that helped defray the cost of student attendance at the conference. Finally, we thank the invited speakers, the authors, and all of the conference attendees for helping to make the conference successful.

Gregg Rothermel
Program Chair, ISSTA 2004
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