Available online at www.sciencedirect.com
SCIENCE DIRECT®
Electronic Notes in Theoretical Computer Science
ELSEVIER
Electronic Notes in Theoretical Computer Science
www.elsevier.com/locate/entcs

Preface

Volume 55, Issue 3

Scott D. Stoller and Willem Visser

Abstract

This issue contains the Proceedings of the Workshop on Software Model Checking, which was held in Paris, France, on 23 July 2001, as a satellite event of the 13th International Conference on Computer-Aided Verification (CAV 2001).

The growing importance of model checking in hardware verification and the difficulty of producing correct software are driving a growing interest in the application of model checking to software. This leads to many challenges of scientific and practical interest, both in core model checking technology and in supporting techniques, such as program analyses and transformations that help automate abstraction of the data state and reduction of the control state. The two main aims of the workshop were to introduce people to the field of software model checking, and to serve as a forum for the presentation and discussion of new research ideas in the field.

In order to achieve the first goal, two leaders in the field were invited to present their ongoing research. Sriram Rajamani (Microsoft Research) spoke on "Model Checking, Program Analysis and Theorem Proving: Kitchen Sink?" John Hatcliff (Kansas State University) discussed "Using the Bandera Tool Set to Model-check Properties of Concurrent Java Software".

The call for papers resulted in 25 submissions. Eight were selected by the Program Committee for presentation at the workshop, and seven appear here. The submissions were reviewed by the Program Committee and the following additional reviewers: Dennis Dams, Alex Groce, Frederic Lang, Radu Mateescu, SeungJoon Park, and Sriram Rajamani.

Program CommitteeTom Ball, Microsoft Research
David Dill, Stanford University
Hubert Garavel, INRIA Rhone-Alpes/VASY
Patrice Godefroid, Bell Laboratories, Lucent Technologies
Susanne Graf, Verimag
Gerard Holzmann Bell Laboratories, Lucent Technologies
Scott Stoller, State University of New York at Stony Brook
Willem Visser, RIACS, NASA Ames Research Center

We thank RIACS (Research Institute for Advanced Computer Science, California, USA) for generous financial support. We thank the CAV 2001 organizers for excellent logistic support.

August 2001
Scott D. Stoller
Willem Visser

1571-0661
10.1016/S1571-0661(05)80578-X