Table of Contents

I Keynote and Invited Talks	
Can We Verify an Elephant?	1
Pain, Possibilities, and Prescriptions Industry Trends in Advanced Functional Verification	2
The SBSE Approach to Automated Optimization of Verification and Testing	3
DART: Directed Automated Random Testing	4
II Research Papers	
Reduction of Interrupt Handler Executions for Model Checking Embedded Software	5
Diagnosability of Pushdown Systems	21
Functional Test Generation with Distribution Constraints	34
An Explanation-Based Constraint Debugger	52
Evaluating Workloads Using Multi-comparative Functional Coverage Yoram Adler, Shmuel Ur, and Dale Blue	57
Reasoning about Finite-State Switched Systems Dana Fisman and Orna Kupferman	71
Dataflow Analysis for Properties of Aspect Systems Yevgenia Alperin-Tsimerman and Shmuel Katz	87
Bisimulation Minimisations for Boolean Equation Systems Jeroen J.A. Keiren and Tim A.C. Willemse	102



X Table of Contents

Synthesizing Solutions to the Leader Election Problem Using Model Checking and Genetic Programming	117
Stacking-Based Context-Sensitive Points-to Analysis for Java	133
An Interpolating Decision Procedure for Transitive Relations with Uninterpreted Functions	150
Author Index	169