Peter A. Fritzson (Ed.)

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Preface

This volume contains a selection of the papers which were accepted for presentation at AADEBUG'93, the First International Workshop on Automated and Algorithmic Debugging, held in Linköping, Sweden, 3-5 May 1993.

The area referred to as automated debugging has seen major developments over the last decade. One especially successful area of automated debugging is algorithmic debugging which originated in logic programming but later has been generalized to concurrent languages, imperative languages, lazy functional languages, etc. Important advances have also been made in knowledge-based program debugging, and in approaches to automated debugging based on static and dynamic program slicing.

The goal of the workshop was to bring together researchers from different areas of automated debugging and different programming communities to exchange ideas and advance the state of the art of automated debugging. A total of 28 papers were submitted to the workshop of which 21 were selected for this volume. This is an unusually high acceptance rate, but both the program committee and the Lecture Notes editor judged that the average quality of the submitted papers was sufficiently high. Perhaps this is not uncommon for the first workshop to be arranged in a specialized area. An additional six papers of the submitted ones were only accepted for short presentations at the workshop, and are not present in this proceedings.

On behalf of the Program Committee, the Program Chairman would like to thank all those who submitted papers to AADEBUG'93. Thanks also go to the Program Committee and others who helped in reviewing and evaluating the papers. Also, special thanks to the invited keynote speaker, Professor Ehud Shapiro, who managed to come to the workshop despite a very busy schedule. Last but not the least, the effort of all those who helped in organizing the workshop in one way or another, in particular Henrik Nilsson and Gunilla Blom-Lingenhult, is gratefully acknowledged.

Linköping, September 1993 Peter Fritzson

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Table of Contents

Surveys and Tutorials

A Pragmatic Survey of Automated Debugging
Mireille Ducassé 1

Usability Criteria for Automated Debugging Systems
Nahid Shahmehri, Mariam Kamkar, Peter Fritzson 16

The Notions of Symptom and Error in Declarative Diagnosis of Logic Programs
Gérard Ferrand 40

Debugging of Logic Programs I

Debugging by Diagnosing Assumptions
Luís M. Pereira, Carlos Viegas Damásio, José J. Alferes 58

Debugging Logic Programs Using Specifications
Yuh-Jeng Lee, Nachum Dershowitz 75

Model-Based Diagnosis Meets Error Diagnosis in Logic Programs
Luca Console, Gerhard Friedrich, Daniele T. Dupré 85

Testing and Debugging of Concurrent and Distributed Systems

Towards Declarative Debugging of Concurrent Constraint Programs
Markus P. J. Fromherz 88

Hierarchy in Testing Distributed Programs
Sridhar Alagar, S. Venkatesan 101

Debugging Functional Programs

Lazy Algorithmic Debugging: Ideas for Practical Implementation
Henrik Nilsson, Peter Fritzson 117

The Location of Errors in Functional Programs
Jonathan E. Hazan, Richard G. Morgan 135

Debugging of Logic Programs II

A Generalized Query Minimization for Program Debugging
Visit Hirunkitti, C. J. Hogger 153

What's in a Trace: The Box Model Revisited
Gerhard Tobermann, Clemens Beckstein 171

Declarative Debugging of Abstract Data Types in Gödel
Dominic Binks 188

Slicing

Slicing Programs with Arbitrary Control Flow
Thomas Ball, Susan Horwitz 206

Slicing Concurrent Programs
Jingde Cheng 223

Visualization and Graphical User Interfaces

Animators for Generated Programming Environments
Frank Tip 241

Visualization as Debugging: Understanding/Debugging the Warren Abstract Machine
Julio García-Martín, Juan J. Moreno-Navarro 255

Graphical User Interfaces for Algorithmic Debugging
Rickard Westman, Peter Fritzson 273

Knowledge-Based Debugging and Trace-Based Debugging

Towards a Plan Calculus Based Intelligent Debugging System
Rudi Lutz 287

Trace-Based Debugging
Steven P. Reiss 305

Software Maintenance and Debugging of Logic Programs III

Identifying Faulty Modifications in Software Maintenance
Bogdan Korel 315

The Application of Formal Specifications to Software Documentation and Debugging
Anoop Goyal, Sriram Sankar 333

Automatic Diagnosis of VLSI Digital Circuits Using Algorithmic Debugging
Krzysztof Kuchcinski, Wlodzimierz Drabent, Jan Maluszynski 350

Author Index 369