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Foreword

This volume constitutes the proceedings of the Fourth International Symposium on Theoretical Aspects of Computer Software (TACS 2001) held at Tohoku University, Sendai, Japan in October 2001.

The TACS symposium focuses on the theoretical foundations of programming and their applications. As this volume shows, TACS is an international symposium, with participants from many different institutions and countries.

TACS 2001 was the fourth symposium in the TACS series, following TACS'91, TACS'94, and TACS'97, whose proceedings were published as Volumes 526, 789, and 1281, respectively, of Springer-Verlag's Lecture Notes in Computer Science series.

The TACS 2001 technical program consisted of invited talks and contributed talks. In conjunction with this program there was a special open lecture by Benjamin Pierce; this lecture was open to non-registrants.

TACS 2001 benefited from the efforts of many people; in particular, members of the Program Committee and the Organizing Committee. Our special thanks go to the Program Committee Co-chairs:

Naoki Kobayashi (Tokyo Institute of Technology)
Benjamin Pierce (University of Pennsylvania).

TACS 2001 gratefully acknowledges the generous support provided by Tohoku University and Sendai Tourism & Convention Bureau, and the cooperation of the following organizations:

Information Processing Society of Japan
Japan Society of Software Science and Technology
Association for Computing Machinery - SIGACT
Association for Symbolic Logic

Also, we thank Alfred Hofmann of Springer-Verlag for his assistance in the publication of the proceedings. Shinya Miyakawa, Nobuto Izumi, Takuya Ohishi, and Masahiko Ohtomo of Tohoku University lent their assistance in making local arrangements and in preparing the conference web pages. Finally, we would like to express our sincere thanks to all those who helped organize, and those who participated in, the TACS 2001 symposium for their invaluable contributions.

July 2001

Takayasu Ito
Symposium Chair

Preface

The program of TACS 2001 included the presentations of 21 contributed papers and 6 invited talks. The program committee, with help from additional referees, selected these papers from 59 submissions. The invited speakers – Luca Cardelli, Kazunori Ueda, Andrew M. Pitts, Christine Paulin-Mohring, Jon G. Riecke, and Daniel Jackson – were chosen by the program co-chairs in collaboration with the symposium chair.

We would like to thank the members of the program committee and the additional referees, who are listed below. Special thanks to Prof. Takayasu Ito and his staff for their advice and help.

July 2001

Naoki Kobayashi
Benjamin C. Pierce
Program Co-chairs

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Table of Contents

Invited Talk 1

A Spatial Logic for Concurrency (Part I).....	1
<i>Luís Caires and Luca Cardelli</i>	

Session 1

Boxed Ambients	38
<i>Michele Bugliesi, Giuseppe Castagna, and Silvia Crafa</i>	
A Typed Process Calculus for Fine-Grained Resource Access Control in Distributed Computation	64
<i>Daisuke Hoshina, Eijiro Sumii, and Akinori Yonezawa</i>	
Formal Eavesdropping and Its Computational Interpretation	82
<i>Martín Abadi and Jan Jürjens</i>	

Invited Talk 2

Resource-Passing Concurrent Programming	95
<i>Kazunori Ueda</i>	

Session 2

Solo Diagrams	127
<i>Cosimo Laneve, Joachim Parrow, and Björn Victor</i>	
Observational Equivalence for Synchronized Graph Rewriting with Mobility	145
<i>Barbara König and Ugo Montanari</i>	

Session 3

Fixed-Point Logic with the Approximation Modality and Its Kripke Completeness	165
<i>Hiroshi Nakano</i>	
Termination Proofs and Complexity Certification	183
<i>Daniel Leivant</i>	
A Renee Equation for Algorithmic Complexity	201
<i>Keye Martin</i>	

Invited Talk 3

Nominal Logic: A First Order Theory of Names and Binding 219
Andrew M. Pitts

Session 4

A Logic Programming Language Based on Binding Algebras 243
Makoto Hamana

Proof-Search and Countermodel Generation in Propositional BI Logic 263
Didier Galmiche and Daniel Méry

Generation of a Linear Time Query Processing Algorithm
Based on Well-Quasi-Orders 283
Mizuhito Ogawa

Invited Talk 4

Modelisation of Timed Automata in Coq 298
Christine Paulin-Mohring

Session 5

Model-Checking LTL with Regular Valuations for Pushdown Systems 316
Javier Esparza, Antonín Kučera, and Stefan Schwoon

What Will Be Eventually True of Polynomial Hybrid Automata? 340
Martin Fränzle

Non-structural Subtype Entailment in Automata Theory 360
Joachim Niehren and Tim Priesnitz

Session 6

Bisimulation and Other Undecidable Equivalences
for Lossy Channel Systems 385
Philippe Schnoebelen

Weakest Congruence Results Concerning “Any-Lock” 400
Antti Puhakka

Invited Talk 5

Design and Correctness of Program Transformations
Based on Control-Flow Analysis 420
Anindya Banerjee, Nevin Heintze, and Jon G. Riecke

Session 7

Infinite Intersection and Union Types for the Lazy Lambda Calculus	448
<i>Marcello M. Bonsangue and Joost N. Kok</i>	
Strong Normalization of Second Order Symmetric Lambda-mu Calculus . .	459
<i>Yoriyuki Yamagata</i>	
The Girard-Reynolds Isomorphism	468
<i>Philip Wadler</i>	

Invited Talk 6

Lightweight Analysis of Object Interactions	492
<i>Daniel Jackson and Alan Fekete</i>	

Session 8

Typing Assembly Programs with Explicit Forwarding	514
<i>Lennart Berlinger</i>	
The UDP Calculus: Rigorous Semantics for Real Networking	535
<i>Andrei Serjantov, Peter Sewell, and Keith Wansbrough</i>	

TACS Open Lecture

Unison: A File Synchronizer and Its Specification	560
<i>Benjamin C. Pierce and Jérôme Vouillon</i>	

Author Index	561
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