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Volume Editors

Insup Lee
Department of Computer and Information Science
University of Pennsylvania
Philadelphia, PA 19104-6389, USA

Scott Smolka
Department of Computer Science, SUNY at Stony Brook
Stony Brook, NY 11794-4400, USA

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Preface

This volume contains the proceedings of the Sixth International Conference on Concurrency Theory (CONCUR '95), held in Philadelphia, Pennsylvania, August 21-24. The purpose of the CONCUR conference is to bring together researchers and practitioners who are interested in concurrency theory and its application. The conference's steering committee comprises Jos Baeten, Chair (T.U. Eindhoven), Eike Best (U. Hildesheim), Kim Larsen (U. Aalborg), Ugo Montanari (U. Pisa), Scott Smolka (Stony Brook), and Pierre Wolper (U. Liège).

This proceedings contains 33 papers that were culled from 91 submissions, 88 of which were received electronically; seven invited papers are also included. The program committee meeting was also held electronically, over a period of about one week in mid-April.

The papers selected for publication span a wide range of topics, including proof techniques for and applications of the π-calculus; model checking infinite-state systems, with an emphasis on compositionality; semantics and analysis of real-time systems; axioms and proof systems for various process algebras; decidability results for lossy channel systems, timed automata, and Petri nets; refinement theory for nondeterministic and concurrent processes; extensions of linear-time logic with causal independence and least fixed point; and abstract semantics for probabilistic processes.

We would like to thank the members of the program committee, and their subreferees, for their hard and superlative work in assembling this collection of papers. The program committee consists of Bard Bloom (Cornell), Rance Cleaveland (N.C. State), Pierpaolo Degano (U. Pisa), Rob van Glabbeek (Stanford), Rob Gerth (T.U. Eindhoven), Susanne Graf (VERIMAG), Jan Friso Groote (U. Utrecht), Connie Hietmeyer (NRL), Tom Henzinger (Cornell), Hardi Hungar (U. Oldenburg), Lalita Jategaonkar Jagadeesan (AT&T, Bell Labs), Alan Jeffrey (Sussex), Joachim Parrow (SICS), Alex Rabinovitch (Tel Aviv), Davide Sangiorgi (INRIA Sophia Antipolis), Steve Schneider (U. London), Arne Skou (U. Aalborg), Gene Stark (SUNY Stony Brook), Bent Thomsen (ECRC), and Michal Young (Purdue).

We would also like to thank Rich Gerber (U. Maryland) for serving as the Publicity Chair; Dale Miller (Penn) for serving as the Tutorials Chair; and Hanêne Ben-Abdallah (Penn), Karen Bernstein (Stony Brook), Jin-Young Choi (Penn), Duncan Clarke (Penn), Vijay Gehlot (Penn), Inhye Kang (Penn), Oleg Sokolsky (Stony Brook), and Hong-Liang Xie (Penn) for their much-valued help in organizing the conference.

Support for CONCUR '95 has generously been provided by the IRCS (Institute for Research in Cognitive Science) and SEAS (School of Engineering and Applied Science) of the University of Pennsylvania, AT&T, and Computer Command and Control Company.

Philadelphia
Stony Brook
June 1995

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M. Weichert
H. Wong-Toi
W. Yi
S. Yovine
G. Zavattaro

Table of Contents

Invited Paper: Local Model Checking Games
C. Stirling (U. Edinburgh) 1

Session: Model Checking I

Compositional Proof Systems for Model Checking Infinite State Processes
M. Dam (SICS, Kista) 12

Compositional Model Checking of Real Time Systems
F. Laroussinie, K.G. Larsen (Aalborg U.) 27

Session: Mobile Processes I

Checking Bisimilarity for Finitary π-Calculus
U. Montanari, M. Pistore (U. Pisa) 42

The Weak Late π-Calculus Semantics as Observation Equivalence
G.-L. Ferrari, U. Montanari, P. Quaglia (U. Pisa) 57

Invited Paper: The Fixpoint-Analysis Machine
B. Steffen, A. Claßen, M. Klein, J. Knoop, T. Margaria (U. Passau) 72

Session: Mobile Processes II

Unique Fixpoint Induction for Mobile Processes
H. Lin (Chinese Academy of Sciences, Beijing) 88

A Polymorphic Type System for the Polyadic π-Calculus
X. Liu, D. Walker (U. Warwick) 103

Session: Process Theory

Fibrational Control Structures
C. Hermida (Aarhus U.), J. Power (U. Edinburgh) 117

Fully Abstract Models for Nondeterministic Regular Expressions
F. Corradini, R. De Nicola, A. Labella (U. Roma) 130

Session: True Concurrency

A Petri Net Semantics for π-Calculus
N. Busi (U. Siena), R. Gorrieri (U. Bologna) 145

A Complete Theory of Deterministic Event Structures
A. Rensink (U. Hildesheim) 160

Characterizing Behavioural Congruences for Petri Nets
M. Nielsen(U. Aarhus), L. Priese (U. Koblenz),
V. Sassone (U. Aarhus) 175

Invited Paper: Verification of a Distributed Summation Algorithm
F. Vaandrager (CWI, Amsterdam) 190

Session: Process Algebra I

Confluence for Process Verification
J.F. Groote, M.P.A. Sellink (Utrecht U.) 204

Axiomatisations of Weak Equivalences for De Simone Languages
I. Ulidowski (Kyoto U.) 219

Session: Probabilistic Automata

A Compositional Trace-Based Semantics for Probabilistic Automata
R. Segala (MIT, Cambridge, MA) 234

Acceptance Trees for Probabilistic Processes
M. Núñez, D. de Frutos, L. Llana (U. Complutense de Madrid) 249

Invited Paper: Will I be Pretty, Will I be Rich?:
Some Thoughts on Theory vs. Practice in Systems Engineering
D. Harel (Weizmann Institute, Rehovot) 264

Session: Real-Time Systems I

Towards a Denotational Semantics for ET-LOTOS
J. Bryans (U. Reading), J. Davies (Oxford U.),
S. Schneider (U. London) 269

Reachability Analysis at Procedure Level through Timing Coincidence
F. Wang (Academia Sinica, Taipei) 284

Session: Testing Semantics

Faster Asynchronous Systems
W. Vogler (U. Augsburg) 299

Fair Testing
E. Brinksma (U. Twente), A. Rensink (U. Hildesheim),
W. Vogler (U. Augsburg) 313

Invited Paper: Formal Methods Technology Transfer: Impediments and Innovation
D. Craigen (ORA Canada, Ottawa) 328

Session: Decidability Results

Decidability of Simulation and Bisimulation between Lossy Channel Systems and Finite State Systems
P.A. Abdulla, M. Kindahl (Uppsala U.) 333

Checking Regular Properties of Petri Nets
P. Jančar (U. Ostrava), F. Moller (SICS, Kista) 348

Session: Refinement Theory

Metric Predicate Transformers: Towards a Notion of Refinement for Concurrency
M.M. Bonsangue (Free U. Amsterdam), J.N. Kok (Leiden U.), E. de Vink (Free U. Amsterdam) 363

A Refinement Theory that Supports both "Decrease of Nondeterminism" and "Increase of Parallelism"
M. Siegel (U. Kiel) 378

Invited Paper: Model Checking and Efficient Automation of Temporal Reasoning
E.A. Emerson (U. Texas at Austin) 393

Session: Model Checking II

Verifying Parameterized Networks using Abstraction and Regular Languages
E.M. Clarke (CMU, Pittsburgh, PA), O. Grumberg (The Technion, Haifa), S. Jha (CMU, Pittsburgh, PA) 395

On the Complexity of Branching Modular Model Checking
O. Kupferman (The Technion, Haifa), M.Y. Vardi (Rice U., Houston, TX) 408

Session: Linear-Time Logics

Axiomatising Linear Time Mu-Calculus
R. Kaivola (U. Edinburgh) 423

A Trace Consistent Subset of PTL
P.S. Thiagarajan (SPIC Science Foundation, Madras) 438

Invited Paper: Proving Properties of Concurrent Systems with SPIN
G.J. Holzmann (AT&T Bell Labs, Murray Hill, NJ) 453

Session: Mobile Processes III

On Sharing and Determinacy in Concurrent Systems
A. Philippou, D. Walker (U. Warwick) 456

Process Semantics of Graph Reduction
S. Brock, G. Ostheimer (U. St. Andrews) 471

Session: Process Algebra II

Bisimulations for a Calculus of Broadcasting Systems
M. Hennessy, J. Rathke (U. Sussex) 486

Delayed Choice for Process Algebra with Abstraction
P.R. D'Argenio (U. Nacional de La Plata), S. Mauw (T.U. Eindhoven) 501

Session: Real-Time Systems II

CTR: A Calculus of Timed Refinement
K. Čerāns (U. Latvia) 516

Temporal Logic + Timed Automata: Expressiveness and Decidability
A. Bouajjani (VERIMAG, Montbonnot St.-Martin),
Y. Lakhnech (U. Kiel) 531

Authors Index 547