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Preface

This volume contains the proceedings of the 18th International Symposium on Mathematical Foundations of Computer Science, MFCS'93, held in Gdańsk, Poland, August 30–September 3, 1993.

The MFCS symposia, organized annually in Poland and the former Czechoslovakia since 1972, have a long and well-established tradition. Over the years they have served as a meeting ground for specialists from all branches of theoretical computer science, in particular

algorithms and complexity, automata theory and theory of languages,
concurrent, distributed and real-time systems,
the theory of functional, logic and object-oriented programming,
lambda calculus and type theory,
semantics and logics of programs,

and others.

The interest in MFCS symposia seems to be growing. MFCS'93 sets a new record on the number of submissions: 133. Out of them, the Programme Committee has selected 56 for presentation, strictly on the basis of their scientific merit and appropriateness for the symposium. The committee was assisted by over 210 referees. The scientific programme includes also lectures by 12 distinguished scholars.

The proceedings contain both the invited lectures and the contributions. Unfortunately, most of the latter had to be abridged due to space limitations.

We would like to thank, first of all, the authors of the papers submitted—their interest justifies the organization of the symposia. Thanks are also due to the members of the Programme Committee and to the referees for their work put into the evaluation of the papers. Finally, we thank Springer-Verlag for a long-term cooperation with MFCS symposia.

A number of institutions have financially contributed to the success of the symposium. We gratefully acknowledge the support from Stefan Batory Foundation, *Gdańsk Development Method* research project, Warsaw University, Wrocław University, Gdańsk University.

MFCS'93 is organized by the Institute of Computer Science of the Polish Academy of Sciences. The Organizing Committee consists of Marek A. Bednarczyk (chairman), Andrzej M. Borzyszkowski, Ryszard Kubiak, Wiesław Pawłowski and Stefan Sokołowski.

Gdańsk, June 1993

Andrzej M. Borzyszkowski
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A couple of referees have remained anonymous to the editors of the volume. We are as thankful to them as to the ones listed above for their work.

Table of Contents

Invited lectures

Krzysztof R. Apt: <i>On the unification free Prolog programs</i> by K. R. Apt and S. Etalle.....	1
André Arnold: <i>Equivalences and preorders of transition systems</i> by A. Arnold and A. Dicky.....	20
Rod Burstall: <i>Deliverables: a categorical approach to program development in type theory</i> by J. McKinna and R. Burstall.....	32
Volker Diekert: <i>Complex and complex-like traces</i>	68
Matthew Hennessy: <i>Symbolic bisimulations (abstract)</i>	83
Furio Honsell: <i>Some results on the full abstraction problem for restricted lambda calculi</i> by F. Honsell and M. Lenisa.....	84
Robin Milner: <i>Action calculi, or syntactic action structures</i>	105
Andrew M. Pitts: <i>Observable properties of higher order functions that dynamically create local names, or: What's new?</i> by A. M. Pitts and I. D. B. Stark.....	122
Vaughan Pratt: <i>The second calculus of binary relations</i>	142
Grzegorz Rozenberg: <i>An introduction to dynamic labeled 2-structures</i> by A. Ehrenfeucht and G. Rozenberg.....	156
Arto K. Salomaa: <i>Post correspondence problem: Primitivity and interrelations with complexity classes</i> by A. Mateescu and A. Salomaa.....	174
Philip Wadler: <i>A taste of linear logic</i>	185

Contributions

L. Alonso and R. Schott <i>On the tree inclusion problem</i>	211
R. Amadio <i>On the adequacy of per models</i>	222
V. Arvind, J. Köbler, and M. Mundhenk <i>Hausdorff reductions to sparse sets and to sets of high information content</i>	232
E. Astesiano, G. Reggio, and E. Zucca <i>Stores as homomorphisms and their transformations</i>	242
J. W. de Bakker, F. van Breugel, and A. de Bruin <i>Comparative semantics for linear arrays of communicating processes, a study of the UNIX fork and pipe commands</i>	252
D. Beauquier and A. Podelski <i>Rabin tree automata and finite monoids</i>	262
M. Benke <i>Efficient type reconstruction in the presence of inheritance</i>	272
J. Berstel and P. Séébold <i>A characterization of Sturmian morphisms</i>	281
H. L. Bodlaender and K. Jansen <i>On the complexity of scheduling incompatible jobs with unit-times</i>	291
M. Bonsangue and J. N. Kok <i>Isomorphisms between predicate and state transformers</i>	301
Liming Cai and Jianer Chen <i>On the amount of nondeterminism and the power of verifying</i>	311
I. Castellani <i>Observing distribution in processes</i>	321
C. Cérin and A. Petit <i>Speedup of recognizable trace languages</i>	332
M. Cerioli and J. Meseguer <i>May I borrow your logic?</i>	342
S. Chaudhuri, T. Hagerup, and R. Raman <i>Approximate and exact deterministic parallel selection</i>	352
Jian Chen and J. Staples <i>Defining soft sortedness by abstract interpretation</i>	362

Liang Chen	
<i>A model for real-time process algebras</i>	372
J. F. Costa, A. Sernadas, and C. Sernadas	
<i>Data encapsulation and modularity: Three views of inheritance</i>	382
K. Culik II and J. Kari	
<i>Image compression using weighted finite automata</i>	392
M. Dezani-Ciancaglini, U. de'Liguoro, and A. Piperno	
<i>Filter models for a parallel and non deterministic λ-calculus</i>	403
P. Di Gianantonio	
<i>Real number computability and domain theory</i>	413
Z. B. Diskin and I. D. Beylin	
<i>Lambda substitution algebras</i>	423
B. Durand	
<i>Global properties of 2D cellular automata: Some complexity results</i>	433
U. Engberg and G. Winskel	
<i>Completeness results for linear logic on Petri nets</i>	442
A. Fantechi, S. Gnesi, and V. Peticaroli	
<i>An expressive logic for basic process algebra</i>	453
G. S. Frandsen, P. B. Miltersen, and S. Skyum	
<i>The complexity of finding replicas using equality tests</i>	463
R. J. van Glabbeek	
<i>A complete axiomatization for branching bisimulation congruence of finite-state behaviours</i>	473
E. de Haas and P. van Emde Boas	
<i>Object oriented application flow graphs and their semantics</i>	485
J. Hromkovič, J. Kari, and L. Kari	
<i>Some hierarchies for the communication complexity measures of cooperating grammar systems</i>	495
L. Ibarra and D. Richards	
<i>Efficient parallel graph algorithms based on open ear decomposition</i>	506
O. H. Ibarra and N. Trãn	
<i>On the communication complexity of parallel computation</i>	517
P. Jančar, F. Mráz, and M. Plátek	
<i>A taxonomy of forgetting automata</i>	527

He Jifeng <i>Hybrid parallel programming and implementation of synchronised communication</i>	537
A. Kiehn <i>Proof systems for cause based equivalences</i>	547
B. Martin <i>A uniform universal CREW PRAM</i>	557
D. Murphy <i>Observing located concurrency</i>	566
P. Narbel <i>The boundary of substitution systems</i>	577
J. Neraud <i>New algorithms for detecting morphic images of a word</i>	588
P. P/aczkowski <i>Ignoring nonessential interleavings in assertional reasoning on concurrent programs</i>	598
M. Parigot and P. Rozière <i>Constant time reductions in λ-calculus</i>	608
F. Parisi-Presicce and S. Vegliani <i>Heterogeneous unified algebra</i>	618
D. Pigozzi and A. Salibra <i>A representation theorem for lambda abstraction algebras</i>	629
R. Pliuškevičius <i>On saturated calculi for a linear temporal logic</i>	640
H. Puhlmann <i>The snack powerdomain for database semantics</i>	650
B. Reus and T. Streicher <i>Verifying properties of module construction in type theory</i>	660
P. Ružička and J. Waczulík <i>On time-space trade-offs in dynamic graph pebbling</i>	671
V. Sassone, M. Nielsen, and G. Winskel <i>Deterministic behavioural models for concurrency</i>	682
D. Scholefield, H. Zedan, and He Jifeng <i>Real-time refinement: Semantics and application</i>	693
B. Steffen and C. Weise <i>Deciding testing equivalence for real-time processes with dense time</i>	703

W. Stephan and A. Wolpers	
<i>A calculus for higher order procedures with global variables</i>	714
D. Stevens	
<i>Variable substitution with iconic combinators</i>	724
R. Treinen	
<i>Feature constraints with first-class features</i>	734
D. Wagner and F. Wagner	
<i>Between Min Cut and Graph Bisection</i>	744
E. Wanke	
<i>Paths and cycles in finite periodic graphs</i>	751
Jilei Yin and Zhu Hong	
<i>Learning decision lists from noisy examples</i>	761
N. Zabel	
<i>Analytic tableaux for finite and infinite Post logics</i>	767
Subject index	777
Author index	782