

FSTTCS 2005: Foundations of Software Technology and Theoretical Computer Science

25th International Conference, Hyderabad, India, December 15-18, 2005, Proceedings

Bearbeitet von
R. Ramanujam, Sandeep Sen

1. Auflage 2005. Taschenbuch. xiv, 566 S. Paperback
ISBN 978 3 540 30495 1
Format (B x L): 15,5 x 23,5 cm
Gewicht: 1800 g

Weitere Fachgebiete > EDV, Informatik > Programmiersprachen: Methoden >
Prozedurorientierte Programmierung

schnell und portofrei erhältlich bei


DIE FACHBUCHHANDLUNG

Die Online-Fachbuchhandlung beck-shop.de ist spezialisiert auf Fachbücher, insbesondere Recht, Steuern und Wirtschaft. Im Sortiment finden Sie alle Medien (Bücher, Zeitschriften, CDs, eBooks, etc.) aller Verlage. Ergänzt wird das Programm durch Services wie Neuerscheinungsdienst oder Zusammenstellungen von Büchern zu Sonderpreisen. Der Shop führt mehr als 8 Millionen Produkte.

Table of Contents

Invited Papers

Semiperfect-Information Games	1
<i>Krishnendu Chatterjee and Thomas A. Henzinger</i>	
Computational Complexity Since 1980	19
<i>Russell Impagliazzo</i>	
Developments in Data Structure Research During the First 25 Years of FSTTCS	48
<i>Raimund Seidel</i>	
Inference Systems for Logical Algorithms	60
<i>Natarajan Shankar</i>	
From Logic to Games	79
<i>Igor Walukiewicz</i>	
Proving Lower Bounds Via Pseudo-random Generators	92
<i>Manindra Agrawal</i>	
Erdős Magic	106
<i>Joel Spencer</i>	

Contributed Papers

No Coreset, No Cry: II	107
<i>Michael Edwards and Kasturi Varadarajan</i>	
Improved Bounds on the Union Complexity of Fat Objects	116
<i>Mark de Berg</i>	
On the Bisimulation Congruence in χ -Calculus	128
<i>Taolue Chen, Tingting Han, and Jian Lu</i>	
Extending Howe's Method to Early Bisimulations for Typed Mobile Embedded Resources with Local Names	140
<i>Jens Chr. Godskesen and Thomas Hildebrandt</i>	
Approximation Algorithms for Wavelength Assignment	152
<i>Vijay Kumar and Atri Rudra</i>	
The Set Cover with Pairs Problem	164
<i>Refael Hassin and Danny Segev</i>	

XII Table of Contents

Non-disclosure for Distributed Mobile Code	177
<i>Ana Almeida Matos</i>	
Quantitative Models and Implicit Complexity	189
<i>Ugo Dal Lago and Martin Hofmann</i>	
The MSO Theory of Connectedly Communicating Processes	201
<i>P. Madhusudan, P.S. Thiagarajan, and Shaofa Yang</i>	
Reachability of Hennessy-Milner Properties for Weakly Extended PRS ..	213
<i>Mojmír Křetínský, Vojtěch Řehák, and Jan Strejček</i>	
Decision Procedures for Queues with Integer Constraints	225
<i>Ting Zhang, Henny B. Sipma, and Zohar Manna</i>	
The Directed Planar Reachability Problem	238
<i>Eric Allender, Samir Datta, and Sambuddha Roy</i>	
Dimensions of Copeland-Erdős Sequences	250
<i>Xiaoyang Gu, Jack H. Lutz, and Philippe Moser</i>	
Refining the Undecidability Frontier of Hybrid Automata	261
<i>Venkatesh Mysore and Amir Pnueli</i>	
When Are Timed Automata Weakly Timed Bisimilar to Time Petri Nets?	273
<i>Beatrice Bérard, Franck Cassez, Serge Haddad, Didier Lime, and Olivier H. Roux</i>	
Subquadratic Algorithms for Workload-Aware Haar Wavelet Synopses ..	285
<i>S. Muthukrishnan</i>	
Practical Algorithms for Tracking Database Join Sizes	297
<i>Sumit Ganguly, Deepanjan Kesh, and Chandan Saha</i>	
On Sampled Semantics of Timed Systems	310
<i>Pavel Krčál and Radek Pelánek</i>	
Eventual Timed Automata	322
<i>Deepak D'Souza and M. Raj Mohan</i>	
Causal Closure for MSC Languages	335
<i>Bharat Adsul, Madhavan Mukund, K. Narayan Kumar, and Vasumathi Narayanan</i>	
Reachability Analysis of Multithreaded Software with Asynchronous Communication	348
<i>Ahmed Bouajjani, Javier Esparza, Stefan Schwoon, and Jan Strejček</i>	

Probabilistic Analysis for a Multiple Depot Vehicle Routing Problem . . .	360
<i>Andreas Baltz, Devdatt Dubhashi, Libertad Tansini, Anand Srivastav, and Sören Werth</i>	
Computing the Expected Accumulated Reward and Gain for a Subclass of Infinite Markov Chains	372
<i>Tomáš Brázdil and Antonín Kučera</i>	
Towards a CTL* Tableau	384
<i>Mark Reynolds</i>	
Bisimulation Quantified Logics: Undecidability	396
<i>Tim French</i>	
Logarithmic-Time Single Deleter, Multiple Inserter Wait-Free Queues and Stacks	408
<i>Prasad Jayanti and Srdjan Petrovic</i>	
Monitoring Stable Properties in Dynamic Peer-to-Peer Distributed Systems	420
<i>Sathya Peri and Neeraj Mittal</i>	
On the Expressiveness of TPTL and MTL	432
<i>Patricia Bouyer, Fabrice Chevalier, and Nicolas Markey</i>	
Modal Strength Reduction in Quantified Discrete Duration Calculus	444
<i>Shankara Narayanan Krishna and Paritosh K. Pandya</i>	
Comparing Trees Via Crossing Minimization	457
<i>Henning Fernau, Michael Kaufmann, and Mathias Poths</i>	
On Counting the Number of Consistent Genotype Assignments for Pedigrees	470
<i>Jiří Srba</i>	
Fixpoint Logics on Hierarchical Structures	483
<i>Stefan Göller and Markus Lohrey</i>	
The Equivalence Problem for Deterministic MSO Tree Transducers Is Decidable	495
<i>Joost Engelfriet and Sebastian Maneth</i>	
Market Equilibrium for CES Exchange Economies: Existence, Multiplicity, and Computation	505
<i>Bruno Codenotti, Benton McCune, Sriram Penumatcha, and Kasturi Varadarajan</i>	
Testing Concurrent Systems: An Interpretation of Intuitionistic Logic . . .	517
<i>Radha Jagadeesan, Gopalan Nadathur, and Vijay Saraswat</i>	

XIV Table of Contents

Proofs of Termination of Rewrite Systems for Polytime Functions	529
<i>Toshiyasu Arai and Georg Moser</i>	
On the Controller Synthesis for Finite-State Markov Decision Processes . .	541
<i>Antonín Kučera and Oldřich Stražovský</i>	
Reasoning About Quantum Knowledge	553
<i>Ellie D'Hondt and Prakash Panangaden</i>	
Author Index	565