

# Table of Contents

Achieving Type Safety for Low-Level Code .....	1
<i>Greg Morrisett</i>	
Kernel Mode Linux: Toward an Operating System Protected by a Type Theory .....	3
<i>Toshiyuki Maeda and Akinori Yonezawa</i>	
Self-configurable Mirror Servers for Automatic Adaptation to Service Demand Fluctuation .....	18
<i>Masakuni Agetsuma, Kenji Kono, Hideya Iwasaki, and Takashi Masuda</i>	
Information Flow Security for XML Transformations .....	33
<i>Véronique Benzaken, Marwan Burelle, and Giuseppe Castagna</i>	
Unreliable Failure Detectors via Operational Semantics .....	54
<i>Uwe Nestmann and Rachele Fuzzati</i>	
Bankable Postage for Network Services .....	72
<i>Martín Abadi, Andrew Birrell, Mike Burrows, Frank Dabek, and Ted Wobber</i>	
Global Predicate Detection under Fine-Grained Modalities .....	91
<i>Punit Chandra and Ajay D. Kshemkalyani</i>	
Combining Hierarchical Specification with Hierarchical Implementation ...	110
<i>Naijun Zhan</i>	
Automatic Generation of Simple Lemmas from Recursive Definitions Using Decision Procedures – Preliminary Report .....	125
<i>Deepak Kapur and M. Subramaniam</i>	
Deaccumulation – Improving Provability .....	146
<i>Jürgen Giesl, Armin Kühnemann, and Janis Voigtländer</i>	
Incentive Compatible Mechanism Based on Linear Pricing Scheme for Single-Minded Auction .....	161
<i>Ning Chen and Hong Zhu</i>	
Hierarchical Structure of 1-Safe Petri Nets .....	173
<i>Kamal Lodaya, D. Ranganayakulu, and K. Rangarajan</i>	
A Calculus for Secure Mobility .....	188
<i>Bruno Blanchet and Benjamin Aziz</i>	

A Calculus of Bounded Capacities .....	205
<i>Franco Barbanera, Michele Bugliesi, Mariangiola Dezani-Ciancaglini, and Vladimiro Sassone</i>	
Paradigm Regained: Abstraction Mechanisms for Access Control .....	224
<i>Mark S. Miller and Jonathan S. Shapiro</i>	
The Design and Evaluation of a Middleware Library for Distribution of Language Entities .....	243
<i>Erik Klintschok, Zacharias El Banna, Per Brand, Seif Haridi</i>	
Generating Optimal Linear Temporal Logic Monitors by Coinduction .....	260
<i>Koushik Sen, Grigore Roşu, and Gul Agha</i>	
Probabilistic Timed Simulation Verification and Its Application to Stepwise Refinement of Real-Time Systems .....	276
<i>Satoshi Yamane</i>	
Model Checking Probabilistic Distributed Systems .....	291
<i>Benedikt Bollig and Martin Leucker</i>	
<b>Author Index</b> .....	305

Advances in Computing Science - ASIAN 2003,  
Programming Languages and Distributed Computation  
8th Asian Computing Science Conference, Mumbai,  
India, December 10-14, 2003, Proceedings  
Saraswat, V.A. (Ed.)  
2003, VIII, 312 p., Softcover  
ISBN: 978-3-540-20632-3