

CONTENTS

Preface	v
A Short Research Biography of Mario Coppo, Mariangiola Dezani-Ciancaglini, and Simona Ronchi Della Rocca	vii
ICTCS 2007: October 3-5 2007, Rome, Italy	ix
Part A Invited Talks	1
Clairvoyance and Laziness for on Line Travelling Agents <i>G. Ausiello</i>	3
Proving the Range Property for Lambda Theories and Models <i>H. Barendregt</i>	4
Can a Proper Lambda-Model have an R.E. Equational Theory? <i>C. Berline</i>	5
Session Centered Calculi for Service Oriented Computing <i>R. De Nicola</i>	6
Symmetries in Foundations <i>G. Longo</i>	11
Part B Regular Contributions	13
On the Approximability of Dense Steiner Tree Problems <i>M. Hauptmann</i>	15

Weak Pattern Matching in Colored Graphs: Minimizing the Number of Connected Components	27
<i>R. Dondi, G. Fertin, and S. Vialette</i>	
Weak Markovian Bisimilarity: Abstracting from Prioritized/Weighted Internal Immediate Actions	39
<i>M. Bernardo and A. Aldini</i>	
Analyzing Non-Interference with Respect to Classes	57
<i>D. Zanardini</i>	
Computing Minimum Directed Feedback Vertex Set in $O^*(1.9977^n)$	70
<i>I. Razgon</i>	
Seeing the Trees and their Branches in the Network is Hard	82
<i>I. A. Kanj, L. Nakhleh, C. Than, and G. Xia</i>	
Modeling Fuzzy Behaviours in Concurrent Systems	94
<i>L. D'Errico and M. Loreti</i>	
A Formal Framework for Compositional Compilation	106
<i>D. Ancona and E. Zucca</i>	
Type Inference for Polymorphic Methods in Java-like Languages	118
<i>D. Ancona, G. Lagorio, and E. Zucca</i>	
Sorting Streamed Multisets	130
<i>T. Gagie</i>	
An Analysis of a Simple Algorithm for Random Derangements	139
<i>D. Merlini, R. Sprugnoli, and M. C. Verri</i>	
The Measure Hypothesis and Efficiency of Polynomial Time Approximation Schemes	151
<i>M. Hauptmann</i>	
Dichotomy Results for Fixed Point Counting in Boolean Dynamical Systems	163
<i>S. Kosub and C. M. Homan</i>	

Definable Sets in Weak Presburger Arithmetic	175
<i>C. Hoffrut and A. Frigeri</i>	
On Defining Proofs of Knowledge in the Bare Public-key Model	187
<i>G. Di Crescenzo and I. Visconti</i>	
Author Index	199