

1. Record Nr.	UNISA996465608403316
Titolo	Foundation of Software Science and Computation Structures [[electronic resource] ] : Third International Conference, FOSSACS 2000 Held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2000 Berlin, Germany, March 25 - April 2, 2000 Proceedings / / edited by Jerzy Tiuryn
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2000
ISBN	3-540-46432-8
Edizione	[1st ed. 2000.]
Descrizione fisica	1 online resource (X, 398 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1784
Disciplina	005.1
Soggetti	Programming languages (Electronic computers) Computer logic Mathematical logic Software engineering Programming Languages, Compilers, Interpreters Logics and Meanings of Programs Mathematical Logic and Formal Languages Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Norm Functions for Probabilistic Bisimulations with Delays -- Constructor Subtyping in the Calculus of Inductive Constructions -- Verifying Performance Equivalence for Timed Basic Parallel Processes -- On Word Rewriting Systems Having a Rational Derivation -- Proof Nets and Explicit Substitutions -- Typing Local Definitions and Conditional Expressions with Rank 2 Intersection (Extended Abstract) -- Hierarchical Graph Transformation -- A Program Refinement Framework Supporting Reasoning about Knowledge and Time -- A Higher-Order Simulation Relation for System F -- Probabilistic Asynchronous $\lambda$ -Calculus -- Constructive Data Refinement in Typed Lambda Calculus -- On Recognizable Stable Trace Languages -- The

State Explosion Problem from Trace to Bisimulation Equivalence -- A Proof System for Timed Automata -- Categorical Models for Intuitionistic and Linear Type Theory -- Locality and Polyadicity in Asynchronous Name-Passing Calculi -- On Rational Graphs -- Sequential and Concurrent Abstract Machines for Interaction Nets -- On Synchronous and Asynchronous Mobile Processes -- Type Inference for First-Order Logic -- An Algebraic Foundation for Adaptive Programming -- Predicate Logic and Tree Automata with Tests -- Compositional Verification in Linear-Time Temporal Logic -- On the Semantics of Refinement Calculi -- Subtyping and Typing Algorithms for Mobile Ambients.

---

Sommario/riassunto

ETAPS2000 was the third instance of the European Joint Conferences on Theory and Practice of Software. ETAPS is an annual federated conference that was established in 1998 by combining a number of existing and new conferences. This year it comprised five conferences (FOSSACS, FASE, ESOP, CC, TACAS), five satellite workshops (CBS, CMCS, CoFI, GRATRA, INT), seven invited lectures, a panel discussion, and ten tutorials. The events that comprise ETAPS address various aspects of the system development process, including specification, design, implementation, analysis, and improvement. The languages, methodologies, and tools which support these activities are all well within its scope. Different blends of theory and practice are represented, with an inclination towards theory with a practical motivation on one hand and soundly-based practice on the other. Many of the issues involved in software design apply to systems in general, including hardware systems, and the emphasis on software is not intended to be exclusive. ETAPS is a loose confederation in which each event retains its own identity, with a separate program committee and independent proceedings. Its format is open-ended, allowing it to grow and evolve as time goes by. Contributed talks and system demonstrations are in synchronized parallel sessions, with invited lectures in plenary sessions. Two of the invited lectures are reserved for "keynote" talks on topics of interest to the whole range of ETAPS attendees.

---