

1. Record Nr.	UNISA996465324103316
Titolo	Foundations of Software Technology and Theoretical Computer Science [[electronic resource]] : 11th Conference, New Delhi, India, December 17-19, 1991. Proceedings // edited by Somenath Biswas, Kesav V. Nori
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1991
ISBN	3-540-46612-6
Edizione	[1st ed. 1991.]
Descrizione fisica	1 online resource (XI, 425 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 560
Disciplina	004.0151
Soggetti	Computers Software engineering Computer logic Programming languages (Electronic computers) Mathematical logic Theory of Computation Software Engineering/Programming and Operating Systems Logics and Meanings of Programs Computation by Abstract Devices Programming Languages, Compilers, Interpreters Mathematical Logic and Formal Languages
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Program checking -- Randomizing reductions of search problems -- Time analysis, cost equivalence and program refinement -- AC- equation solving -- On the operational interpretation of complex types -- Tense logics for local reasoning in distributed systems -- Failures semantics for a simple process language with refinement -- Correctness of programs over poor signatures -- Complexity issues for vacillatory function identification -- A purely algebraic proof of McNaughton's theorem on infinite words -- The structure and complexity of minimal NFA's over a unary alphabet -- Relativised cellular automata and complexity classes -- Computing the order of a locally testable automaton -- On the structure and complexity of

infinite sets with minimal perfect hash functions -- NP-hard sets and creativeness over constant time languages -- Complete problems involving boolean labelled structures and projection translations -- Is BP.Pa probabilistic class? -- Fast stable in-place sorting with $O(n)$ data moves -- A theorem on the approximation of set cover and vertex cover -- A fast algorithm for the principal partition of a graph -- Uniform circuits and exclusive read PRAMs -- Contracting planar graphs efficiently in parallel -- Fast deterministic selection on mesh-connected processor arrays -- Improved selection in totally monotone arrays -- Designing secure communication protocols from trust specifications -- Computing the shortest path tree in a weak visibility polygon -- Usefulness of angle-sweep over line-sweep -- Petri nets and transition systems (Abstract for an invited talk).

Sommario/riassunto

This volume contains the proceedings of the Eleventh Conference on Foundations of Software Technology and Theoretical Computer Science held in New Dehli, India December 17-19, 1991. Three invited papers and 25 contributed papers selected from 78 submissions by authors from many different countries reflect the current research concerns of the theoretical computer science community. The topics covered include: -Algorithms (sequential, parallel and geometric) -Automata theory -Functional programming -Learning -Logic of programs - Semantics -Structural complexity theory -Type theory.
