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Descrizione fisica	1 online resource (XI, 553 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 962
Disciplina	004.0151
Soggetti	Computers Computer logic Programming languages (Electronic computers) Theory of Computation Logics and Meanings of Programs Computation by Abstract Devices Programming Languages, Compilers, Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Local model checking games (extended abstract) -- Compositional proof systems for model checking infinite state processes -- Compositional model checking of real time systems -- Checking bisimilarity for finitary τ -calculus -- The weak late τ -calculus semantics as observation equivalence -- The fixpoint-analysis machine -- Unique fixpoint induction for mobile processes -- A polymorphic type system for the polyadic τ -calculus -- Fibrational control structures -- Fully abstract models for nondeterministic regular expressions -- A Petri net semantics for τ -calculus -- A complete theory of deterministic event structures -- Characterizing behavioural congruences for Petri nets -- Verification of a distributed summation algorithm -- Confluence for process verification -- Axiomatisations of weak equivalences for De Simone languages -- A compositional trace-based semantics for probabilistic automata -- Acceptance trees for probabilistic processes -- Will I be pretty, will I be rich? Some thoughts on theory vs. practice

in systems engineering -- Towards a denotational semantics for ET-LOTOS -- Reachability analysis at procedure level through timing coincidence -- Faster asynchronous systems -- Fair testing -- Formal methods technology transfer: Impediments and innovation (abstract) -- Decidability of simulation and bisimulation between lossy channel systems and finite state systems -- Checking regular properties of Petri nets -- Metric predicate transformers: Towards a notion of refinement for concurrency -- A refinement theory that supports both 'decrease of nondeterminism' and 'increase of parallelism' -- Model checking and efficient automation of temporal reasoning -- Verifying parameterized networks using abstraction and regular languages -- On the complexity of branching modular model checking -- Axiomatizing linear time μ -calculus -- A trace consistent subset of PTL -- Tutorial: Proving properties of concurrent systems with SPIN -- On sharing and determinacy in concurrent systems -- Process semantics of graph reduction -- Bisimulations for a calculus of broadcasting systems -- Delayed choice for process algebra with abstraction -- CTR: A calculus of timed refinement -- Temporal logic + timed automata: Expressiveness and decidability.

Sommario/riassunto

This book constitutes the proceedings of the 6th International Conference on Concurrency Theory, CONCUR '95, held in Philadelphia, Pennsylvania in August 1995. The volume presents seven invited contributions by outstanding researchers and 33 refereed full research papers selected by the program committee out of a total of 91 submissions. The collection of articles gives a representative overview on what happened in this area of research, since the last CONCUR conference took place. There are sections on model checking, mobile processes, process theory, true concurrency, process algebra, probabilistic automata, real-time systems, testing semantics, decidability results, refinement theory, and linear-time logics.
