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| Autore                  | Katoen Jost-Pieter  |
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| Collana                 | Lecture Notes in Computer Science ; ; 1601  |
| Altri autori (Persone)  | KatoenJoost-Pieter  |
| Disciplina              | 004.0151  |
| Soggetti                | Formal methods (Computer science)<br>Real-time data processing<br>Computer science  |
| 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       | Invited Lecture -- Fully Abstract Characterization of Probabilistic May Testing -- Verification of Probabilistic System -- Quantitative Program Logic and Performance in Probabilistic Distributed Algorithms -- Establishing Qualitative Properties for Probabilistic Lossy Channel Systems -- Root Contention in IEEE 1394 -- Model Checking Probabilistic Systems -- Automatic Verification of Real-Time Systems with Discrete Probability Distributions -- ProbVerus: Probabilistic Symbolic Model Checking -- Semantics of Probabilistic Process Calculi -- Process Algebra with Probabilistic Choice -- An Axiomatization of Probabilistic Testing -- Invited Lecture -- Verification of Hybrid Systems -- Semantics of Real-Time Processes -- A Parallel Operator for Real-Time Processes with Predicate Transformer Semantics -- Comparing the Efficiency of Asynchronous Systems -- Real-Time Compilation -- A Formal Model of Real-Time Program Compilation -- Stochastic Process Algebra -- Specifying Performance Measures for PEPA -- Semi-numerical Solution of Stochastic Process Algebra Models -- Bisimulation Algorithms for Stochastic Process Algebras and Their BDD-Based Implementation -- Invited Lecture -- Probabilistic Linear-Time Model Checking: An Overview of the Automata-Theoretic |

Approach -- Modeling and Verification of Real-Time Systems -- Formal  
Verification of a Power Controller Using the Real-Time Model Checker  
Uppaal -- Verifying Progress in Timed Systems -- Proof Assistance for  
Real-Time Systems Using an Interactive Theorem Prover -- Modelling  
Timeouts without Timelocks.

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