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| | Disciplina | 005 |
| | Soggetti | Software engineering <br> Computer logic <br> Programming languages (Electronic computers) <br> Computers <br> Mathematical logic <br> Software Engineering/Programming and Operating Systems <br> Logics and Meanings of Programs <br> Software Engineering <br> Programming Languages, Compilers, Interpreters <br> Computation by Abstract Devices <br> Mathematical Logic and Formal Languages |
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| | 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 Contributions -- Intruder Theories (Ongoing Work) -- Theories for the Global Ubiquitous Computer -- Contributed Papers -- Choice in Dynamic Linking -- Soft lambda-Calculus: A Language for Polynomial Time Computation -- On the Existence of an Effective and Complete Inference System for Cryptographic Protocols -- Hypergraphs and |

Degrees of Parallelism: A Completeness Result -- Behavioral and Spatial Observations in a Logic for the ?-Calculus -- Election and Local Computations on Edges -- Decidability of Freshness, Undecidability of Revelation -- LTL over Integer Periodicity Constraints -- Unifying Recursive and Co-recursive Definitions in Sheaf Categories -- Deriving Bisimulation Congruences in the DPO Approach to Graph Rewriting -- A Denotational Account of Untyped Normalization by Evaluation -- On Finite Alphabets and Infinite Bases: From Ready Pairs to Possible Worlds -- Specifying and Verifying Partial Order Properties Using Template MSCs -- Angelic Semantics of Fine-Grained Concurrency -- On the Expressiveness of Infinite Behavior and Name Scoping in Process Calculi -- safeDpi: A Language for Controlling Mobile Code -- Distance Desert Automata and the Star Height One Problem -- Adhesive Categories -- A Game Semantics of Local Names and Good Variables -- Partial Correctness Assertions Provable in Dynamic Logics -- Polynomials for Proving Termination of Context-Sensitive Rewriting -- Bisimulation on Speed: Lower Time Bounds -- On Recognizable Timed Languages -- Tree Transducers and Tree Compressions -- On Term Rewriting Systems Having a Rational Derivation -- Duality for Labelled Markov Processes -- Electoral Systems in Ambient Calculi -- Strong Normalization of -Calculus with Explicit Substitutions -- Canonical Models for Computational Effects -- Reasoning about Dynamic Policies -- Probabilistic Bisimulation and Equivalence for Security Analysis of Network Protocols -- Strong Bisimulation for the Explicit Fusion Calculus -- Perfect-Information Stochastic Parity Games -- A Note on the Perfect Encryption Assumption in a Process Calculus.

| Sommario/riassunto | ETAPS 2004 was the seventh 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 ?ve conferences (FOSSACS, FASE, ESOP, CC, TACAS), 23 satellite workshops, 1 tutorial, and 7 invited lectures (not including those that are speci?c to the satellite events). The events that comprise ETAPS address various aspects of the system - velopment process, including speci?cation, design, implementation, analysis and improvement. The languages, methodologies and tools that support these - tivities are all well within its scope. Di?erent blends of theory and practice are represented, with an inclination towards theory with a practical motivation on the one hand and soundly based practice on the other. Many of the issues inv- ved in software design apply to systems in general, including hardware systems, and the emphasis on software is not intended to be exclusive. |