1.	Record Nr.	UNINA9910741163103321
	Titolo	Foundations of Software Science and Computation Structures : 16th International Conference, FOSSACS 2013, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2013, Rome, Italy, March 16-24, 2013, Proceedings / / edited by Frank Pfenning
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
	ISBN	3-642-37075-6
	Edizione	[1st ed. 2013.]
	Descrizione fisica	1 online resource (XXIV, 451 p. 51 illus.)
	Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 7794
	Disciplina	005.131
	Soggetti	Machine theory
		Computer science
		Compilers (Computer programs)
		Software engineering
		Formal Languages and Automata Theory
		Computer Science Logic and Foundations of Programming
		Compilers and Interpreters
		Software Engineering
		Theory of Computation
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di contenuto	Pattern Graphs and Rule-Based Models: The Semantics of Kappa -- History-Register Automata -- Fatal Attractors in Parity Games -- On Unique Decomposition of Processes in the Applied -Calculus -- Bounded Context-Switching and Reentrant Locking -- Reachability of Communicating Timed Processes -- Modular Bisimulation Theory for Computations and Values -- Checking Bisimilarity for Attributed Graph Transformation -- Comodels and Effects in Mathematical Operational Semantics -- Preorders on Monads and Coalgebraic Simulations -- A Proof System for Compositional Verification of Probabilistic Concurrent Processes -- Partiality and Recursion in Higher-Order Logic -- Some Sahlqvist Completeness Results for Coalgebraic Logics -- Cut

Elimination in Nested Sequents for Intuitionistic Modal Logics -- On Monadic Parametricity of Second-Order Functionals -- Deconstructing General References via Game Semantics -- Separation Logic for Non-local Control Flow and Block Scope Variables -- The Parametric Ordinal-Recursive Complexity of Post Embedding Problems -- Deciding Definability by Deterministic Regular Expressions -- Type-Based Complexity Analysis for Fork Processes -- Pure Pointer Programs and Tree Isomorphism -- A Language for Differentiable Functions -- Computing Quantiles in Markov Reward Models -- Parameterized Weighted Containment -- Weighted Specifications over Nested Words -- An Algebraic Presentation of Predicate Logic -- Strategies as Profunctors -- Generalised Name Abstraction for Nominal Sets.

| Sommario/riassunto | This book constitutes the proceedings of the 16th International Conference on Foundations of Software Science and Computational Structures, FOSSACS 2013, held as part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2013, which took place in Rome, Italy, in March 2013 The 28 papers presented in this volume were carefully reviewed and selected from 109 submissions. They are organized in topical sections named: models of computation; reasoning about processes; bisimulation; modal and higher-order logics; reasoning about programs; computational complexity; quantitative models; and categorical models. |