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	Soggetti	Compilers (Computer programs) Computer science Software engineering Computer programming Compilers and Interpreters Computer Science Logic and Foundations of Programming Software Engineering Theory of Computation Programming Techniques
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	Note generali	Includes index.
	Nota di contenuto	Disjoint Polymorphism -- Generalizing inference systems by coaxioms -- Observed Communication Semantics for Classical Processes -- Is your software on dope? – Formal analysis of surreptitiously "enhanced" programs -- Friends with Benefits: Implementing Corecursion in Foundational Proof Assistants -- Confluence of Graph Rewriting with Interfaces -- Verifying Robustness of Event-Driven Asynchronous Programs against Concurrency -- Incremental update for graph rewriting -- Linearity, Control Effects, and Behavioral Types -- Temporary Read-Only Permissions for Separation Logic -- Faster Algorithms for Weighted Recursive State Machines -- ML and Extended BVASS. – Metric Reasoning about Lambda Terms: the General Case --

Contextual Equivalence for Probabilistic Programs with Continuous Random Variables and Scoring -- Probabilistic Termination by Monadic Affine Sized Typing -- Caper: Automatic Verification for Fine-grained Concurrency -- Tackling Real-Life Relaxed Concurrency with FSL++. - Extensible DatasortRefinements -- Programs Using Syntax with First-Class Binders. - Lincx: A Linear Logical Framework with First-class Context -- APLicative Programming with Naperian Functors -- Verified Characteristic Formulae for CakeML -- Unified Reasoning about Robustness Properties of Symbolic-Heap Separation Logic -- Proving Linearizability Using Partial Orders -- The Power of Non-Determinism in Higher-Order Implicit Complexity -- The Essence of Higher-Order Concurrent Separation Logic -- Comprehending Isabelle/HOL's Consistency.-The essence of functional programming on semantic data -- A Classical Sequent Calculus with Dependent Types -- Context-Free Session Type Inference -- Modular Verification of Higher-order Functional Programs -- Commutative semantics for probabilistic programming -- Conditional Dyck-CFL Reachability Analysis for Complete and Efficient Library Summarization -- A Higher-Order Logic for Concurrent Termination-Preserving Refinement -- Modular Verification of Procedure Equivalence in the Presence of Memory Allocation -- Abstract Specifications for Concurrent Maps.

| Sommario/riassunto | This book constitutes the proceedings of the 26th European Symposium on Programming, ESOP 2017, which took place in Uppsala, Sweden in April 2017, held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2017. The 36 papers presented in this volume were carefully reviewed and selected from 112 submissions. They cover traditional as well as emerging topics in programming languages. In detail they deal with semantic foundation and type system for probabilistic programming; techniqu3es for verifying concurrent or higher-order programs; programming languages for arrays or web data; program analysis and verification of non-standard program properties; foundation and application of interactive theorem proving; graph rewriting; separation logic; session type; type theory; and implicit computational complexity. . |