

1. Record Nr.	UNISA996594169503316
Autore	Weirich Stephanie
Titolo	Programming Languages and Systems : 33rd European Symposium on Programming, ESOP 2024, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2024, Luxembourg City, Luxembourg, April 6–11, 2024, Proceedings, Part II / edited by Stephanie Weirich
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-57267-X
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (462 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 14577
Disciplina	005.13
Soggetti	Programming languages (Electronic computers) Compilers (Computer programs) Programming Language Compilers and Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Quantum Programming / Domain-Specific Languages -- Circuit Width Estimation via Effect Typing and Linear Dependency -- On the Hardness of Analyzing Quantum Programs Quantitatively -- Reconciling Partial and Local Invertibility -- Efficient Matching with Memorization for Regexes with Look-around and Atomic Grouping -- Verification -- A Denotational Approach to Release/Acquire Concurrency -- Intel PMDK Transactions: Specification, Validation and Concurrency -- Artifact report: Intel PMDK Transactions: Specification, Validation and Concurrency -- Verifying Persistent Libraries -- Hyperproperty Verification as CHC Satisfiability -- Program Analysis -- Maximal Quantified Precondition Synthesis for Linear Array Loops -- Verified Inlining and Specialisation for PureCake -- Suspension Analysis and Selective Continuation-Passing Style for Universal Probabilistic Programming Languages -- Higher-Order LCTRSs and Their Termination -- Abstract Interpretation A Modular Soundness Theory for the Blackboard Analysis Architecture -- Detection of Uncaught Exceptions in Functional Programs by Abstract Interpretation -- Formalizing Date Arithmetic and Statically Detecting Ambiguities for

the Law .

Sommario/riassunto

The two-volume open access book set LNCS 14576 + 14577 constitutes the proceedings of the 33rd European Symposium on Programming, ESOP 2024, which was held during April 6-11, 2024, in Luxemburg, as part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2024. The 25 full papers and 1 fresh perspective paper presented in these proceedings were carefully reviewed and selected from 72 submissions. The papers were organized in topical sections as follows: Part I: Effects and modal types; bidirectional typing and session types; dependent types; Part II: Quantum programming and domain-specific languages; verification; program analysis; abstract interpretation.
