1.	Record Nr.	UNINA9910293140003321
	Titolo	Programming Languages and Systems : 27th European Symposium on Programming, ESOP 2018, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2018, Thessaloniki, Greece, April 14-20, 2018, Proceedings / / edited by Amal Ahmed
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
	ISBN	9783319898841 3319898841
	Edizione	[1st ed. 2018.]
	Descrizione fisica	1 online resource (XVI, 1058 p. 276 illus.)
	Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 10801
	Disciplina	005.13
	Soggetti	Compilers (Computer programs) Computer science Computer engineering Computer networks Computers Artificial intelligence Compilers and Interpreters Theory of Computation Computer Engineering and Networks Computer Hardware Artificial Intelligence Computing Milieux
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Language Design -- Consistent Subtyping for All -- HOBiT: Programming Lenses without using Lens Combinators -- Dualizing Generalized Algebraic Data Types by Matrix Transposition -- Deterministic Concurrency: A Clock-Synchronised Shared Memory Approach -- Probabilistic Programming -- An Assertion-Based

Program Logic for Probabilistic Programs -- Fine-grained Semantics for Probabilistic Programs -- How long, O Bayesian network, will I sample thee? -- Relational Reasoning for Markov Chains in a Probabilistic Guarded Lambda Calculus -- Types and Effects -- Failure is Not an Option: An Exceptional Type Theory -- Let Arguments Go First -- Behavioural equivalence via modalities for algebraic effects -- Explicit Effect Subtyping -- Concurrency -- A separation logic for a promising semantics -- Logical Reasoning for Disjoint Permissions -- Deadlock-Free Monitors -- Fragment Abstraction for Concurrent Shape Analysis -- Security -- Reasoning About a Machine with Local Capabilities - Provably Safe Stack and ReturnPointer Management -- Modular Product Programs -- Program Verification -- A Fistful of Dollars: Formalizing Asymptotic Complexity Claims via Deductive Program Verification -- Verified Learning Without Regret -- Program Verification by Coinduction -- Velisarios: Byzantine Fault Tolerant Protocols Powered by Coq -- Program Analysis and Automated Verification -- Evaluating Design Tradeoffs in Numeric Static Analysis for Java -- An Abstract Interpretation Framework for Input Data Usage -- Higher-Order Program Verification via HFL Model Checking -- Quantitative Analysis of Smart Contracts -- Session Types and Concurrency -- Session-Typed Concurrent Contracts -- A Typing Discipline for Statically Verified Crash Failure Handling in Distributed Systems -- On Polymorphic Sessions and Functions: A Tale of Two (Fully Abstract) Encodings -- Concurrent Kleene Algebra: Free Model and Completeness -- Concurrency and Distribution -- Correctness of a Concurrent Object Collector for Actor Languages -- Paxos Consensus, Deconstructed and Abstracted -- On Parallel Snapshot Isolation and Release/Acquire Consistency -- Eventual Consistency for CRDTs -- Compiler Verification -- A Verified Compiler from Isabelle/HOL to CakeML -- Compositional Verification of Compiler Optimisations on Relaxed Memory.

| Sommario/riassunto | This book is Open Access under a CC BY licence. . |