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Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 13800
Disciplina	005.14
Soggetti	Computer science Computers Software engineering Computer systems Computers, Special purpose Logic programming Computer Science Logic and Foundations of Programming Computer Hardware Software Engineering Computer System Implementation Special Purpose and Application-Based Systems Logic in AI
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Compositional Safety LTL Synthesis -- Leroy and Blazy were right: their memory model soundness proof is automatable -- Shellac: a compiler synthesizer for concurrent programs -- A sequentialization procedure for fault-tolerant protocols -- Towards Practical Partial Order Reduction for High-Level Formalisms -- SMT-based Verification of Persistency Invariants of Px86 Programs -- A Formal Semantics for P-Code -- Separating Separation Logic - Modular Verification of Red-Black Trees -- Residual Runtime Verification via Reachability Analysis.

Sommario/riassunto

This book constitutes the refereed proceedings of the 14th International Conference on Verified Software. Theories, Tools and Experiments, VSTTE 2022 held in Trento, Italy, during October 17–18, 2022. The 9 papers presented in this volume were carefully reviewed and selected from 20 submissions. The papers describe software verification efforts that involve collaboration, theory unification, tool integration, and formalized domain knowledge as well as novel experiments and case studies evaluating verification techniques and technologies.
