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Descrizione fisica	1 online resource (XVI, 193 p. 221 illus., 30 illus. in color.)
Collana	Programming and Software Engineering, , 2945-9168 ; ; 12031
Disciplina	005.14
Soggetti	Software engineering Computer science Compilers (Computer programs) Electronic digital computers - Evaluation Computers, Special purpose Computers Professions Software Engineering Computer Science Logic and Foundations of Programming Compilers and Interpreters System Performance and Evaluation Special Purpose and Application-Based Systems The Computing Profession
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Uncertainty, Modeling and Safety Assurance: Towards a Unified Framework -- Combinations of Reusable Abstract Domains for a Multilingual Static Analyzer -- Verifying Network Control Planes -- Verifiable Homomorphic Tallying for the Schulze Vote Counting Scheme -- Incremental Minimization of Symbolic Automata -- Seamless Interactive Program Verification -- Formal Verification of Work Flow Policies for Smart Contracts in Azure Blockchain -- Ghost Code in

Action: Automated Verification of a Symbolic Interpreter -- DCSynth: Guided Reactive Synthesis with Soft Requirements -- Refinement type contracts for verification of scientific investigative software -- solc-verify: A Modular Verifier for Solidity Smart Contracts -- Intersection and Rotation of Assumption Literals Boosts Bug-Finding.

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## Sommario/riassunto

This volume constitutes the thoroughly refereed post-conference proceedings of the 11th International Conference on Verified Software: Theories, Tools, and Experiments, VSTTE 2019, held in New York City, NY, USA, in July 2019. The 9 full papers presented were carefully revised and selected from 17 submissions. The papers describe large-scale 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.

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