Record Nr. UNINA9910484370003321 Computer Aided Verification: 26th International Conference, CAV **Titolo** 2014, Held as Part of the Vienna Summer of Logic, VSL 2014, Vienna. Austria, July 18-22, 2014, Proceedings / / edited by Armin Biere, Roderick Bloem Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2014 **ISBN** 3-319-08867-X Edizione [1st ed. 2014.] Descrizione fisica 1 online resource (XXXIV, 877 p. 205 illus.) Collana Theoretical Computer Science and General Issues, , 2512-2029; ; 8559 Disciplina 005.1015113 Soggetti Computer science Software engineering Machine theory Computer engineering Computer networks Computer Science Logic and Foundations of Programming Software Engineering Formal Languages and Automata Theory Computer Engineering and Networks Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Bibliographic Level Mode of Issuance: Monograph Note generali Nota di contenuto Software Verification -- The Spirit of Ghost Code -- SMT-Based Model Checking for Recursive Programs -- Property-Directed Shape Analysis -- Shape Analysis via Second-Order Bi-Abduction -- ICE: A Robust Framework for Learning Invariants -- From Invariant Checking to

Checking for Recursive Programs -- Property-Directed Shape Analysis -- Shape Analysis via Second-Order Bi-Abduction -- ICE: A Robust Framework for Learning Invariants -- From Invariant Checking to Invariant Inference Using Randomized Search -- SMACK: Decoupling Source Language Details from Verifier Implementations -- Security -- Synthesis of Masking Countermeasures against Side Channel Attacks -- Temporal Mode-Checking for Runtime Monitoring of Privacy Policies -- String Constraints for Verification -- A Conference Management System with Verified Document Confidentiality -- VAC - Verifier of Administrative Role-Based Access Control Policies -- Automata -- From LTL to Deterministic Automata: A Safraless Compositional

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Sommario/riassunto

This book constitutes the proceedings of the 26th International Conference on Computer Aided Verification, CAV 2014, held as part of the Vienna Summer of Logic, VSL 2014, in Vienna, Austria, in July 2014. The 46 regular papers and 11 short papers presented in this volume were carefully reviewed and selected from a total of 175 regular and 54 short paper submissions. The contributions are organized in topical sections named: software verification; automata; model checking and testing; biology and hybrid systems; games and synthesis; concurrency; SMT and theorem proving; bounds and termination; and abstraction.