Record Nr. UNISA996418205003316 Verification, Model Checking, and Abstract Interpretation [[electronic Titolo resource]]: 21st International Conference, VMCAI 2020, New Orleans, LA, USA, January 16–21, 2020, Proceedings / / edited by Dirk Beyer, Damien Zufferey Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2020 **ISBN** 3-030-39322-4 Edizione [1st ed. 2020.] Descrizione fisica 1 online resource (XIV, 471 p. 109 illus.) Theoretical Computer Science and General Issues, , 2512-2029;; Collana 11990 Disciplina 005.14 Computer science Soggetti Computer engineering Computer networks Logic programming Artificial intelligence - Data processing Software engineering Computer Science Logic and Foundations of Programming Computer Engineering and Networks Logic in Al Data Science Software Engineering Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Witnessing Secure Compilation -- BackFlow: Backward Context-Nota di contenuto sensitive Flow Reconstruction of Taint Analysis Results -- Fixing Code That Explodes Under Symbolic Evaluation -- The Correctness of a Code Generator for a Functional Language -- Leveraging Compiler Intermediate Representation for Multi- and Cross-Language Verification -- Putting the Squeeze on Array Programs: Loop Verification via Inductive Rank Reduction -- A Systematic Approach to Abstract Interpretation of Program Transformations -- Sharing ghost variables in a collection of abstract domains -- Harnessing Static

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Sommario/riassunto

This book constitutes the proceedings of the 21st International Conference on Verification, Model Checking, and Abstract Interpretation, VMCAI 2020. The 21 papers presented in this volume were carefully reviewed from 44 submissions. VMCAI provides a forum for researchers from the communities of verification, model checking, and abstract Interpretation, facilitating interaction, cross-fertilization, and advancement of hybrid methods that combine these and related areas. .