1.	Record Nr.	UNINA9910349432503321
	Titolo	Model Checking Software : 25th International Symposium, SPIN 2018, Malaga, Spain, June 20-22, 2018, Proceedings / / edited by María del Mar Gallardo, Pedro Merino
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
	ISBN	3-319-94111-9
	Edizione	[1st ed. 2018.]
	Descrizione fisica	1 online resource (XVI, 347 p. 78 illus.)
	Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 10869
	Disciplina	005.14
	Soggetti	Software engineering Compilers (Computer programs) Computer simulation Machine theory Algorithms Computer science Software Engineering Compilers and Interpreters Computer Modelling Formal Languages and Automata Theory Computer Science Logic and Foundations of Programming
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Formal verification techniques for automated analysis of software -- Formal analysis for modeling languages, such as UML/state charts -- Formal specification languages, temporal logic, design-by-contract -- Model checking -- Automated theorem proving, including SAT and SMT -- Verifying compilers -- Abstraction and symbolic execution techniques. .
	Sommario/riassunto	This book constitutes the refereed proceedings of the 25th International Symposium on Model Checking Software, SPIN 2018, held in Malaga, Spain, in June 2018. The 14 papers presented, 1 short paper, and 1 demo-tool paper, were carefully reviewed and selected

from 28 submissions. Topics covered include formal verification techniques for automated analysis of software; formal analysis for modeling languages, such as UML/state charts; formal specification languages, temporal logic, design-by-contract; model checking, automated theorem proving, including SAT and SMT; verifying compilers; abstraction and symbolic execution techniques; and much more. .