

1. Record Nr.	UNINA9910483842503321
Titolo	Formal Methods: Foundations and Applications : 18th Brazilian Symposium, SBMF 2015, Belo Horizonte, Brazil, September 21-22, 2015, Proceedings / / edited by Márcio Cornélio, Bill Roscoe
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-29473-3
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XVIII, 195 p. 62 illus. in color.)
Collana	Programming and Software Engineering, , 2945-9168 ; ; 9526
Disciplina	004.0151
Soggetti	Software engineering Computer science Machine theory Compilers (Computer programs) Electronic data processing - Management Software Engineering Computer Science Logic and Foundations of Programming Formal Languages and Automata Theory Compilers and Interpreters IT Operations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Model Checking -- Hard-wiring CSP Hiding: Implementing Channel Abstraction to Generate Verified Concurrent Hardware -- Instantiation Reduction in Iterative Parameterised Three-Valued Model Checking -- Languages and Semantics -- Mobile CSP -- Evaluating the Assignment of Behavioral Goals to Coalitions of Agents -- Towards Reasoning in Dynamic Logics with Rewriting Logic: the Petri-PDL Case -- Refinement and Verification -- Refinement strategies for Safety-Critical Java -- Verifying Transformations of Java programs using Alloy.-A Mechanized Textbook Proof of a Type Unification Algorithm -- Testing and Evaluation -- Automatic generation of test cases and test purposes from natural language -- Time Performance Formal Evaluation of Complex Systems -- Test Case Generation from Natural Language

Requirements using CPN Simulation.

Sommario/riassunto

This book constitutes revised selected papers from the 18th Brazilian Symposium on Formal Methods, SBMF 2015, which took place in Belo Horizonte, Brazil, in September 2015. The 11 papers presented in this volume were carefully reviewed and selected from 25 submissions. They were organized in topical sections named: model checking; languages and semantics; refinement and verification; testing and evaluation.