

1. Record Nr.	UNINA9910484920003321
Titolo	Formal Methods and Hybrid Real-Time Systems : Essays in Honour of Dines Bjorner and Zhou Chaochen on the Occasion of Their 70th Birthdays // edited by Cliff B. Jones, Zhiming Liu, Jim Woodcock
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2007
ISBN	3-540-75221-8
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (XVI, 542 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4700
Disciplina	004.33
Soggetti	Software engineering Computer science Computer engineering Computer networks Machine theory Software Engineering Computer Science Logic and Foundations of Programming Computer Engineering and Networks Formal Languages and Automata Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Papers presented at a symposium held in Macao, China, Sept. 24-25, 2007 during the course of the International Colloquium on Theoretical Aspects of Computing.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Models and Software Model Checking of a Distributed File Replication System -- From "Formal Methods" to System Modeling -- A Denotational Semantics for Handel-C -- Generating Polynomial Invariants with DISCOVERER and QEPCAD -- Harnessing rCOS for Tool Support —The CoCoME Experience -- Automating Verification of Cooperation, Control, and Design in Traffic Applications -- Specifying Various Time Models with Temporal Propositional Variables in Duration Calculus -- Relating Domain Concepts Intensionally by Ordering Connections -- Programmable Messaging for Electronic Government - Building a Foundation -- Balancing Insight and Effort: The Industrial Uptake of Formal Methods -- Proving Theorems About JML Classes --

Specification for Testing -- Semantics and Verification of a Language for Modelling Hardware Architectures -- A Domain-Oriented, Model-Based Approach for Construction and Verification of Railway Control Systems -- Compensable Programs -- Deriving Specifications for Systems That Are Connected to the Physical World -- Engineering the Development of Embedded Systems -- Design Verification Patterns -- On Revival of Algol-Concepts in Modern Programming and Specification Languages -- Design in CommUnity with Extension Morphisms -- Symbolic Test Generation Using a Temporal Logic with Constrained Events -- Expansive-Bisimulation for Context-Free Processes -- VDM Semantics of Programming Languages: Combinators and Monads -- Formal Approach to Railway Applications -- Services as a Paradigm of Computation.

---