

1. Record Nr.	UNISA996465889103316
Titolo	Testing of Software and Communication Systems [[electronic resource]] : 21st IFIP WG 6.1 International Conference, TESTCOM 2009 and 9th International Workshop, FATES 2009, Eindhoven, The Netherlands, November 2-4, 2009, Proceedings / / edited by Manuel Nunez, Paul Baker, Mercedes G. Merayo
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-642-05031-X
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (XII, 247 p.)
Collana	Computer Communication Networks and Telecommunications ; ; 5826
Disciplina	621.382028/7
Soggetti	Software engineering Computer simulation Computer programming Computer logic Programming languages (Electronic computers) Software Engineering Software Engineering/Programming and Operating Systems Simulation and Modeling Programming Techniques Logics and Meanings of Programs Programming Languages, Compilers, Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Regular Papers -- Testing Real-Time Systems Using TINA -- A Formal Framework for Service Orchestration Testing Based on Symbolic Transition Systems -- Testing k-Safe Petri Nets -- Implementing MSC Tests with Quiescence Observation -- Testing Timed Finite State Machines with Guaranteed Fault Coverage -- Applying Testability Transformations to Achieve Structural Coverage of Erlang Programs -- Interaction Coverage Meets Path Coverage by SMT Constraint Solving -- Automatic Testing of Access Control for Security Properties -- Generating Reduced Tests for FSMs with Extra States -- An Approach

for Test Selection for EFSMs Using a Theorem Prover -- TTCN-3 Based Conformance Testing of Mobile Broadcast Business Management System in 3G Networks -- Applying Model Checking to Generate Model-Based Integration Tests from Choreography Models -- Analyzing Response Inconsistencies in Test Suites -- Short Papers -- Model-Based Testing of Web Applications Using NModel -- Observability and Controllability Issues in Conformance Testing of Web Service Compositions -- Towards Automatic Generation of a Coherent TTCN-3 Template Framework -- OConGraX – Automatically Generating Data-Flow Test Cases for Fault-Tolerant Systems -- Debugging into Examples -- Structural Analysis of Large TTCN-3 Projects.

Sommario/riassunto

This book constitutes the refereed proceedings of the 21st IFIP WG 6.1 International Conference on Testing Communicating Systems, TESTCOM 2009, and the 9th International Workshop on Formal Approaches to Testing of Software, FATES 2009, jointly held in Eindhoven, The Netherlands, in November 2009. The 13 revised full papers presented together with 6 short papers were carefully selected from 37 submissions to both events. The papers cover new approaches, concepts, theories, methodologies, tools, and experiences in the field of testing of communicating systems and general software.
