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Descrizione fisica	1 online resource (XII, 303 p.)
Collana	Computer Communication Networks and Telecommunications ; ; 5047
Disciplina	004.6
Soggetti	Software engineering Computer communication systems Programming languages (Electronic computers) Computer logic Management information systems Computer science Electrical engineering Software Engineering Computer Communication Networks Programming Languages, Compilers, Interpreters Logics and Meanings of Programs Management of Computing and Information Systems Communications Engineering, Networks
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	Invited Talks -- All-IP Based Ultra 3G Network/Service Development in a Competitive Market -- Models and Testing -- A Recipe for Improved Effectiveness? -- General Software Testing -- Runtime Verification of C Programs -- Test Construction for Mathematical Functions -- Model-Based Testing Service on the Web -- Testing Continuous and Real-Time Systems -- Using Disparity to Enhance Test Generation for Hybrid

Systems -- Modeling Property Based Stream Templates with TTCN-3 --  
: A Timed Extension of -- Network Testing -- Model-Based Firewall  
Conformance Testing -- VCSTC: Virtual Cyber Security Testing  
Capability – An Application Oriented Paradigm for Network  
Infrastructure Protection -- Performance Test Design Process and Its  
Implementation Patterns for Multi-services Systems -- Test Generation  
-- Generating Checking Sequences for Partial Reduced Finite State  
Machines -- Testing Systems Specified as Partial Order Input/Output  
Automata -- Test Purpose Concretization through Symbolic Action  
Refinement -- Concurrent System Testing -- Implementation Relations  
for the Distributed Test Architecture -- Modular System Verification by  
Inference, Testing and Reachability Analysis -- Test Plan Generation for  
Concurrent Real-Time Systems Based on Zone Coverage Analysis --  
Applications of Testing -- Applying Model-Based Testing to HTML  
Rendering Engines – A Case Study -- Model-Based Generation of  
Testbeds for Web Services -- Real-Time Testing with TTCN-3.

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Sommario/riassunto

This book constitutes the refereed proceedings of the 20th IFIP TC 6/WG 6.1 International Conference on Testing Communicating Systems, TestCom 2008, and the 8th International Workshop on Formal Approaches to Testing of Software, FATES 2008, jointly held in Tokyo, Japan, in June 2008. The 18 revised full papers presented together with 2 invited talks were carefully reviewed and selected from initially 58 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. They are organized in topical sections on general software testing, testing continuous and real-time systems, network testing, test generation, concurrent system testing, and applications of testing.

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