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Titolo	Fachserie . 14 Finanzen und Steuern . Reihe 5 Schulden der öffentlichen Haushalte / Statistisches Bundesamt, Wiesbaden
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Titolo	Statistics, testing, and defense acquisition : background papers // Michael L. Cohen, Duane L. Steffey, and John E. Rolph, editors ; Panel on Statistical Methods for Testing and Evaluating Defense Systems, Committee on National Statistics, Commission on Behavioral and Social Sciences and Education, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, c1999
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Altri autori (Persone)	CohenMichael L SteffeyDuane L RolphJohn E
Soggetti	Defensive (Military science)

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di contenuto	<p>Statistics, Testing, and Defense Acquisition -- Copyright -- Contents -- Preface -- 1 Strategic Information Generation and Transmission: the Evolution of Institutions in DoD Operational Testing -- 1. INTRODUCTION -- 2. HISTORICAL EVOLUTION OF OT&amp;amp; -- E -- 3. RELATED LITERATURE -- 4. THE MODELING FRAMEWORK -- 5. DECISION PROBLEMS AND GAMES -- Decision Problem 1 -- Decision Problem 2 -- Game 3 -- Game 4 -- Game 5 -- 6. WELFARE RESULTS -- 7. QUALITATIVE TESTING RESULTS -- 8. CONCLUSION -- Appendix A: Proposition Proofs -- Appendix B: Second Order Conditions -- REFERENCES -- 2 On the Performance of Weibull Life Tests Based on Exponential Life Testing Designs -- 1. EXPONENTIAL LIFE TESTING -- 2. WEIBULL CONSIDERATIONS -- 3. WEIBULL LIFE TESTING-PART I -- 4. WEIBULL LIFE TESTING-PART 2 -- 5. DISCUSSION -- REFERENCES -- 3 Application of Statistical Science to Testing and Evaluating Software Intensive Systems -- 1. INTRODUCTION -- 2. FAILURES IN THE FIELD -- 3. UNDERSTANDING THE SOFTWARE INTENSIVE SYSTEM AND ITS USE -- First Principles -- Statistical Testing Process -- Building Usage Models -- Software Architecture -- Assigning Transition Probabilities -- 4. MODEL VALIDATION WITH CUSTOMER AND USER -- Operational Profiles -- Operational Realism -- Source Entropy -- Specification Complexity -- Simulation -- Model Revision and Revalidation -- 5. REPRESENTING USAGE MODELS WITH CONSTRAINTS -- Structural Constraints -- Usage Constraints -- Test Management Constraints -- Objective Functions -- 6. THE BENEFITS OF USAGE MODELING -- Testing Scripts -- Recording Testing Experience -- Support for Experimental Design -- Guiding Special Test Situations -- Generating Random Samples of Test Cases -- Importance Sampling -- Test Automation -- Testing -- Simulation -- 7. PRODUCT AND PROCESS IMPROVEMENT -- Certification -- Incremental Development. Reliability Growth Modeling -- Combining Testing Information -- Development -- Reuse -- Reengineering -- Maintenance -- Porting -- CONCLUSION -- REFERENCES.</p>
Sommario/riassunto	<p>The Panel on Statistical Methods for Testing and Evaluating Defense Systems had a broad mandate-to examine the use of statistics in conjunction with defense testing. This involved examining methods for software testing, reliability test planning and estimation, validation of modeling and simulation, and use of modem techniques for experimental design. Given the breadth of these areas, including the great variety of applications and special issues that arise, making a contribution in each of these areas required that the Panel's work and recommendations be at a relatively general level. However, a variety of more specific research issues were either brought to the Panel's attention by members of the test and acquisition community, e.g., what was referred to as Dubin's challenge (addressed in the Panel's interim report), or were identified by members of the panel. In many of these cases the panel thought that a more in-depth analysis or a more</p>

detailed application of suggestions or recommendations made by the Panel would either be useful as input to its deliberations or could be used to help communicate more individual views of members of the Panel to the defense test community. This resulted in several research efforts. Given various criteria, especially immediate relevance to the test and acquisition community, the Panel has decided to make available three technical or background papers, each authored by a Panel member jointly with a colleague. These papers are individual contributions and are not a consensus product of the Panel; however, the Panel has drawn from these papers in preparation of its final report: Statistics, Testing, and Defense Acquisition. The Panel has found each of these papers to be extremely useful and they are strongly recommended to readers of the Panel's final report.

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3. Record Nr.

**Titolo**

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Conceptual Modeling - ER 2001 : 20th International Conference on Conceptual Modeling, Yokohama, Japan, November 27-30, 2001, Proceedings / / edited by Hideko S. Kunii, Sushil Jajodia, Arne Soelvberg

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**Collana**

Lecture Notes in Computer Science, , 1611-3349 ; ; 2224

**Disciplina**

005.74

**Soggetti**

Data structures (Computer science)

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Computer simulation

Database management

Application software

Computer science

Software engineering

Data Structures and Information Theory

Computer Modelling

Database Management

Computer and Information Systems Applications

Models of Computation

Software Engineering

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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	<p>Keynote -- Conceptual Modeling for Collaborative E-business</p> <p>Processes -- "i-mode", Now &amp; Future -- The Role of Research in the New Economy -- Panel -- Semantic B2B Integration: Is Modeling the Superior Approach over Programming? -- Spatial Database -- Modeling Topological Constraints in Spatial Part-Whole Relationships -- Source Description-Based Approach for the Modeling of Spatial Information Integration -- Topological Relationships of Complex Points and Complex Regions -- Spatial and Temporal Databases -- DISTIL: A Design Support Environment for Conceptual Modeling of Spatio-temporal Requirements -- Tripod: A Comprehensive Model for Spatial and Aspatial Historical Objects -- A Design of Topological Predicates for Complex Crisp and Fuzzy Regions -- XML -- A Semantic Approach to XML-based Data Integration -- A Rule-Based Conversion of a DTD to a Conceptual Schema -- Semantic Data Modeling Using XML Schemas -- Information Modeling -- Modelling Strategic Actor Relationships to Support Intellectual Property Management -- SiteLang: Conceptual Modeling of Internet Sites -- A Frame Work for Modeling Electronic Contracts -- Database Design -- CASE Tool Support for Temporal Database Design -- Domain-Specific Metadata a Key for Building Semantically-Rich Schema Models -- Coping with Inconsistent Constraint Specifications -- Data Integration -- Integration of Biological Data and Quality-Driven Source Negotiation -- Accessing Data Integration Systems through Conceptual Schemas -- Resolving Conflicts and Handling Replication during Integration of Multiple Databases by Object Deputy Model -- Data Warehouse -- Efficient Execution of Range-Aggregate Queries in Data Warehouse Environments -- A Pragmatic Approach to Conceptual Modeling of OLAP Security -- A Randomized Approach for the Incremental Design of anEvolving Data Warehouse -- UML -- Semantics of Stereotypes for Type Specification in UML: Theory and Practice -- Towards Ontologically Based Semantics for UML Constructs -- Developing Sequence Diagrams in UML -- Conceptual Models -- Translation of a High-Level Temporal Model into Lower Level Models: Impact of Modelling at Different Description Levels -- Relationship Type Refinement in Conceptual Models with Multiple Classification -- A Metamodel for Part ñ Whole Relationships for Reasoning on Missing Parts and Reconstruction -- System Design -- Developing XML Documents with Guaranteed "Good" Properties -- Dimension Hierarchies Design from UML Generalizations and Aggregations -- Minimize Mark-Up! Natural Writing Should Guide the Design of Textual Modeling Frontends -- Method Reengineering and Video Databases -- An Approach for Method Reengineering -- Modeling and Structuring Multiple Perspective Video for Browsing -- Modeling Dynamic Objects in Video Databases: A Logic Based Approach -- Workflows -- Pockets of Flexibility in Workflow Specification -- Agent-Oriented Enterprise Modeling Based on Business Rules -- A Three-Layer Model for Workflow Semantic Recovery in an Object-Oriented Environment -- Web Information System -- Recognizing Ontology-Applicable Multiple-Record Web Documents -- Querying Web Information Systems -- A Conceptual Modelling Framework for Standards-Driven Web-Based</p>

Distance Learning -- Applications -- XML-schema Dynamic Mapped Multimedia Content Description Tool -- Constructing a Data Map of Korea Telecom -- Competency of Set Analysis in CRM Closed Loop Marketing -- Software Engineering -- XML-based E2E Test Report Management -- A Framework for Reusing Business Objects by Multilevel Object Patterns -- A Mediation System Based on Universal Relation Modeling.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 20th International Conference on Conceptual Modeling, ER 2001, held in Tokohama, Japan, in November 2001. The 45 revised full papers presented together with three keynote presentations were carefully reviewed and selected from a total of 197 submissions. The papers are organized in topical sections on spatial databases, spatio-temporal databases, XML, information modeling, database design, data integration, data warehouse, UML, conceptual models, systems design, method reengineering and video databases, workflows, web information systems, applications, and software engineering.

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