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Soggetti	Data structures (Computer science) Computer simulation Database management Application software Computers Software engineering Data Structures and Information Theory Simulation and Modeling Database Management Information Systems Applications (incl. Internet) Models and Principles Software Engineering
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Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Keynote -- Conceptual Modeling for Collaborative E-business Processes -- "i-mode", Now & 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 an Evolving 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 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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