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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Keynote Addresses -- Conceptual Modelling and Ontology: Possibilities and Pitfalls -- An Ontology for m-Business Models -- Pre-Conference Tutorials -- Modeling Dynamics of Business Processes: Key for Building Next Generation of Business Information Systems -- Ontology-Driven Conceptual Modelling -- Conference Tutorials -- Advanced OO Modelling: Metamodels and Notations for the New Millennium -- Ontology-Driven Conceptual Modelling: Advanced Concepts -- Workflow Management in Electronic Commerce -- Panel -- Do We Need

an Ontology of Ontologies? -- Demonstrations and Posters --
 Development of a Conceptual Data Model for Digital Spatio-Temporal
 Geographical Information, with Application to Several Themes and GIS
 -- Using Semantic Rules Database to Dynamically Set up the ICSPACE
 Virtual Building -- On the Transformation of Object Oriented
 Conceptual Models to Logical Theories: From EROOS to ID-Logic --
 Semantics and Meta-models -- Component Construction of Database
 Schemes -- Multirelational Semantics for Extended Entity-Relationship
 Schemata With Applications -- A Meta-model for e-Contract Template
 Variable Dependencies Facilitating e-Negotiation -- Principles of
 Ontology -- On the General Ontological Foundations of Conceptual
 Modeling -- Finding and Characterizing Changes in Ontologies --
 Superimposed Schematics: Introducing E-R Structure for In-Situ
 Information Selections -- Web Environments -- Web extensions to
 UML: Using the MVC Triad -- Wiccap Data Model: Mapping Physical
 Websites to Logical Views -- Representing and Querying
 Semistructured Web Data Using Nested Tables with Structural Variants
 -- Theory and Methods -- On the Transformation of Object-Oriented
 Conceptual Models to Logical Theories -- Reasoning with Goal Models
 -- Registering Scientific Information Sources for Semantic Mediation --
 Methods and Tools -- Multidimensional Modeling with UML Package
 Diagrams -- Comparative Evaluation of Large Data Model
 Representation Methods: The Analyst's Perspective -- Extracting
 Conceptual Relationships from Specialized Documents -- Applications
 for Practice -- A Transactional Model for Data Warehouse Maintenance
 -- The Account Data Model -- A Semantic Model for Hypertext Data
 Caching -- Applying Ontology in Conceptual Modeling --
 Understanding and Simulating Narratives in the Context of Information
 Systems -- Global Schema Generation Using Formal Ontologies --
 Automatically Extracting Ontologically Specified Data from HTML Tables
 of Unknown Structure -- System and Data Integration -- On the
 Expressive Power of Data Integration Systems -- Property-Based
 Semantic Reconciliation of Heterogeneous Information Sources --
 Conceptual integration of multiple partial geometric models -- Quality
 Assessment -- Evaluating the Quality of Process Models: Empirical
 Testing of a Quality Framework -- Data Quality in Web Information
 Systems -- XML & Object Systems -- Conceptual Modeling Quality -
 From EER to UML Schemas Evaluation -- Conceptual Modeling for
 Customized XML Schemas -- A Flexible Cost Model for Abstract
 Object-Oriented Database Schemas -- Designing Valid XML Views.

Sommario/riassunto

For more than 20 years, the series of Conceptual Modeling – ER
 conferences has provided a forum for research communities and
 practitioners to present and - change research results and practical
 experiences in the ?elds of database design and conceptual modeling.
 Throughout the years, the scope of these conferences has extended
 from database design and speci?c topics of that area to more u-
 versal or re?ned conceptual modeling, organizing originally weak or ill-
 structured information or knowledge in more cultured ways by applying
 various kinds of principles, abstract models, and theories, for di?erent
 purposes. At the same time, many technically oriented approaches have
 been developed which aim to facilitate the implementation of rather
 advanced conceptual models. Conceptual modeling is based on the
 process of conceptualization, and it is the core of system structuring as
 well as justi?cation for information systems development. It supports
 and facilitates the understanding, explanation, pred- tion, and
 reasoning on information and knowledge, and their manipulation in the
 systems, in addition to understanding and designing the functions of
 the systems. The conceptualization process aims at constructing

concepts relevant for the knowledge and information system in question. Concepts in the human mind and concept descriptions in computerized information systems are quite different things by nature, but both should be taken into account in conceptual modeling. Usually concept descriptions are properly observed, but concepts in the human mind and their properties are often neglected quite carelessly.
