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Soggetti	Database design Entity-relationship modeling Relational databases
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynotes -- Conceptual Modeling Meets the Human Genome -- Relationship Web: Spinning the Web from Trailblazing to Semantic Analytics -- PIM Meets Web 2.0 -- Novel Semantics -- Developing Preference Band Model to Manage Collective Preferences -- A Conceptual Modeling Framework for Expressing Observational Data Semantics -- Towards a Compositional Semantic Account of Data Quality Attributes -- Ontology -- A Formal Model of Fuzzy Ontology with Property Hierarchy and Object Membership -- What's in a Relationship: An Ontological Analysis -- An Upper Level Ontological Model for Engineering Design Performance Domain -- Patterns -- A Multi-level Methodology for Developing UML Sequence Diagrams -- Content Ontology Design Patterns as Practical Building Blocks for Web Ontologies -- Quality Patterns for Conceptual Modelling -- Privacy, Compliance, Location -- Automating the Extraction of Rights and Obligations for Regulatory Compliance -- Location-Based Software Modeling and Analysis: Tropos-Based Approach -- Risk Evaluation for Personal Identity Management Based on Privacy Attribute Ontology -- Process mgt and Design -- Beyond Control-Flow: Extending Business Process Configuration to Roles and Objects -- Value-Driven

Coordination Process Design Using Physical Delivery Models -- Relaxed Compliance Notions in Adaptive Process Management Systems -- Process Models -- On Measuring Process Model Similarity Based on High-Level Change Operations -- Recommendation Based Process Modeling Support: Method and User Experience -- On the Formal Semantics of Change Patterns in Process-Aware Information Systems -- Queries -- Modeling and Querying E-Commerce Data in Hybrid Relational-XML DBMSs -- Approximate Probabilistic Query Answering over Inconsistent Databases -- Conjunctive Query Containment under Access Limitations -- Similarity and Coherence -- Automatic Extraction of Structurally Coherent Mini-Taxonomies -- Analysis and Reuse of Plots Using Similarity and Analogy -- Discovering Semantically Similar Associations (SeSA) for Complex Mappings between Conceptual Models -- Space and Time -- An Adverbial Approach for the Formal Specification of Topological Constraints Involving Regions with Broad Boundaries -- Capturing Temporal Constraints in Temporal ER Models -- Temporal Constraints in Non-temporal Data Modelling Languages -- System Design -- Integrated Model-Driven Development of Goal-Oriented Data Warehouses and Data Marts -- Design Metrics for Data Warehouse Evolution -- A Domain Engineering Approach for Situational Method Engineering -- Translation, Transformation, and Search -- Retune: Retrieving and Materializing Tuple Units for Effective Keyword Search over Relational Databases -- Model Driven Specification of Ontology Translations -- Dealing with Usability in Model Transformation Technologies -- Demo -- Ontology Coordination: The iCoord Project Demonstration -- Designing Similarity Measures for XML -- SESQ: A Model-Driven Method for Building Object Level Vertical Search Engines -- HealthSense: An Application for Querying Raw Sensor Data -- Visual SQL: Towards ER-Based Object-Relational Database Querying -- SAMSTAR: An Automatic Tool for Generating Star Schemas from an Entity-Relationship Diagram -- Constraint-Aware XSLT Evaluation -- A Quality Circle Tool for Software Models -- Generating and Optimizing Graphical User Interfaces for Semantic Service Compositions -- REMM-Studio?+?: Modeling Variability to Enable Requirements Reuse -- A Conceptual-Model-Based Computational Alembic for a Web of Knowledge -- MDBE: Automatic Multidimensional Modeling -- Oryx – Sharing Conceptual Models on the Web -- Providing Top-K Alternative Schema Matchings with -- Role and Request Based Conceptual Modeling – A Methodology and a CASE Tool -- AutoMed Model Management -- QUINST: A Metamodeling Tool -- An Implementation of a Query Language with Generalized Quantifiers.

Sommario/riassunto

This book constitutes the refereed proceedings of the 27th International Conference on Conceptual Modeling, ER 2008, held in Barcelona, Spain, in October 2008. The 33 revised full papers presented together with 18 demo papers were carefully reviewed and selected from 178 submissions. The papers are organized in topical sections on novel semantics; ontology; patterns; privacy, compliance, location; process management and design; process models; queries; similarity and coherence; space and time; system design; translation, transformation, and search.
