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   Nota di contenuto   Keynotes -- Data Science and Prediction -- A Semiotic Approach to Conceptual Modelling -- Ontological Patterns, Anti-Patterns and Pattern Languages for Next-Generation Conceptual Modeling -- Data on the Web -- A Computer-Guided Approach to Website Schema.org Design -- On Designing Archiving Policies for Evolving RDF Datasets on the Web -- Ontology-Based Spelling Suggestion for RDF Keyword Search -- Unstructured Data -- Schema-Independence in XML Keyword Search -- Mapping Heterogeneous XML Document Collections to Relational Databases -- MKStream: An Efficient Algorithm for Processing Multiple Keyword -- Queries over XML Streams (short paper) -- Uncertain and Incomplete Data -- Cardinality Constraints for

Uncertain Data -- TopCrowd - Efficient Crowd-enabled Top-k Retrieval on Incomplete Data -- Web Services Composition in the Presence of Uncertainty (short paper) -- Big Data, Graphs and Networks -- Domain Ontology As Conceptual Model for Big Data Management: Application in Biomedical Informatics -- Network Analytics ER Model { Towards a Conceptual View of Network Analytics -- Model-driven design of graph databases -- Privacy and Safety -- Utility-Friendly Heterogenous Generalization in Privacy Preserving Data Publishing (short paper) -- From Conceptual Models to Safety Assurance -- Database design -- A New Approach for N-ary Relationships in Object Databases -- Database Design for NoSQL Systems (short paper) -- Fixing up Non-executable Operations in UML/OCL Conceptual Schemas -- Generic Data Manipulation in a Mixed Global/Local Conceptual Model -- New Modeling languages and Applications -- Evaluating the Expressiveness and Effectiveness of a Modeling Language: A Requirements Modeling Language Example -- Nomos 3: A Language for Legal Compliance of Roles and Requirements -- Towards an XBRL Ontology Extension for Management Accounting (short paper) -- A Conceptual Modeling Language for Complex Database Applications (short paper) -- Providing Foundation for User Feedback Concepts by Extending a Communication Ontology (short paper) -- Towards a Conceptual Framework and Metamodel for Context-aware Personal Cross-Media Information Management Systems (short paper) -- Software Concepts and Strategies -- Software as a Social Artifact: a Management and Evolution Perspective -- Modelling Risks in Open Source Software Component Selection -- Modelling and Applying OSS Business Strategies -- Patterns and Narratives -- Detection, Simulation and Elimination of Semantic Anti-patterns in Ontology-Driven Conceptual Models -- Recall of Concepts and Relationships Learned by Conceptual Models: The Impact of Narratives, General-Purpose, and Pattern-based Conceptual Grammars (short paper) -- Visual Maps for Data-Intensive Ecosystems (short paper) -- Data Management for Enterprise Architecture -- A Framework for a Business Intelligence-Enabled Adaptive Enterprise Architecture -- Modeling Organizational Alignment (short paper) -- Business Process Compliance with Multiple Regulations (short paper) -- CSRML4BI: A Goal-Oriented Requirements Approach for Collaborative Business Intelligence (short paper) -- Embracing Pragmatics -- City and Urban applications -- From Needs to Services: Delivering Personalized Water Assurance Services in Urban Africa -- Modeling Claim-making Process in Democratic Deliberation (short paper) -- Creating Quantitative Goal Models: Governmental Experience (short paper).

Sommario/riassunto	This book constitutes the refereed proceedings of the 32nd International Conference on Conceptual Modeling, ER 2014, held in Atlanta, GA, USA. The 23 full and 15 short papers presented were carefully reviewed and selected from 80 submissions. Topics of interest presented and discussed in the conference span the entire spectrum of conceptual modeling including research and practice in areas such as: data on the web, unstructured data, uncertain and incomplete data, big data, graphs and networks, privacy and safety, database design, new modeling languages and applications, software concepts and strategies, patterns and narratives, data management for enterprise architecture, city and urban applications.