1.	Record Nr.	UNINA9910349269803321
	Titolo	Conceptual Modeling : 38th International Conference, ER 2019, Salvador, Brazil, November 4–7, 2019, Proceedings / / edited by Alberto H. F. Laender, Barbara Pernici, Ee-Peng Lim, José Palazzo M. de Oliveira
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
	ISBN	3-030-33223-3
	Edizione	[1st ed. 2019.]
	Descrizione fisica	1 online resource (xxvii, 568 pages) : illustrations
	Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 11788
	Disciplina	005.74
	Soggetti	Software engineering
		Computer networks
		Computer science
		Artificial intelligence
		Software Engineering
		Computer Communication Networks
		Theory of Computation
		Artificial Intelligence
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Invited Talks -- Data Management in the Era of Digitalization -- Keyword Search over RDF Datasets -- Next Generation Modeling Environments -- State of Permissionless and Permissioned Blockchains: Myths and Reality -- Session 1. Conceptual Modeling -- OOC-O: a Reference Ontology on Object-Oriented Code -- Relations in Ontology-Driven Conceptual Modeling -- Capturing Multi-Level Models in a Two-Level Formal Modeling Technique -- An SQLo front-end for Non-Monotonic Inheritance and De-referencing -- Session 2. Big data technology I -- Modeling Data Lakes with Data Vault: Practical Experiences, Assessment, and Lessons Learned -- Requirements-Driven Visualizations for Big Data Analytics: a Model-Driven approach -- Don't Tune Twice: Reusing Tuning Setups for SQL-on-Hadoop

Queries -- A Graph Model for Taxi Ride Sharing supported by Graph Databases -- Session 3. Process modeling and analysis -- Comprehensive Process Drift Detection with Visual Analytics -- A Probabilistic Approach to Event-Case Correlation for Process Mining -- DCR-KiPN: a Hybrid Modeling Approach for Knowledge-intensive Processes -- Exploring the Modeling of Declarative Processes Using a Hybrid Approach -- Session 4. Query approaches -- Negation in Keyword Search over Relational Databases -- Answering GPSJ Queries in a Polystore: a Dataspace-Based Approach -- Ontology-Schema Based Query by Example -- Query Rewriting for Continuously Evolving NoSQL Databases -- Session 5. Big data technology II -- Relaxed Functional Dependency Discovery in Heterogeneous Data Lakes -- An ontological perspective for database tuning heuristics -- SkipSJoin: A New Physical Design for Distributed Big Data Warehouses in Hadoop -- Learning k-Occurrence Regular Expressions from Positive and Negative Samples -- Session 6. Domain specic models I -- What Rocks Are Made of: Towards an Ontological Pattern for Material Constitution in the Geological Domain -- Role-Based Clustering for Collaborative Recommendations in Crowdsourcing System -- A Reference Conceptual Model for Virtual Network Function Online Marketplaces -- Intuitive Understanding of Domain-specic Modeling Languages: Proposition and Application of an Evaluation Technique -- Session 7. Domain specic models II -- A Unifying Model of Legal Smart Contracts -- Formal Specication of Environmental Aspects of a Railway Interlocking System Based on a Conceptual Model -- From a Conceptual Model to a Knowledge Graph for Genomic Datasets -- Session 8. Decision making -- Decision-making in Knowledge-intensive Processes: The Case of Value Ascription and Goal Processing -- Conceptualization, Design, and Implementation of EconBPC – A Software Artifact for the Economic Analysis of Business Process Compliance -- DEMOS: a participatory design approach for democratic empowerment of IS users -- Session 9. Complex Systems Modeling -- Finding Preferred Objects with Taxonomies -- Generic negative scenarios for the specication of collaborative cyber-physical systems -- Session 10. Model unication -- HIKE: A Step Beyond Data Exchange -- Unied Management of Multi-Model Data -- Schema Validation and Evolution for Graph Databases -- Grounding for an Enterprise Computing Nomenclature Ontology -- Session 11. Big data technology III -- Events as Entities in Ontology-Driven Conceptual Modeling -- Parallel Clique-like Subgraph Counting and Listing -- Modal Schema Graphs for Graph Databases -- A Systematic Approach to Generate Diverse Instantiations for Conceptual Schemas -- Session 12. Requirements modeling -- Factors aecting comprehension of contribution links in goal models: an experiment -- iStar-p: A Modelling Language for Requirements Prioritization -- On the Use of Requirement Patterns to Analyse Request for Proposal Documents -- iStar4RationalAgents: Modeling Requirements of Multi-Agent Systems with Rational Agents.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 38th International Conference on Conceptual Modeling, ER 2019, held in Salvador, Brazil, in November 2019. The 22 full and 22 short papers presented together with 4 keynotes were carefully reviewed and selected from 142 submissions. This events covers a wide range of topics, covered in the following sessions: conceptual modeling, big data technology I, process modeling and analysis, query approaches, big data technology II, domain specific models I, domain specific models II, decision making, complex systems modeling, model unification, big data technology III, and requirements modeling. |