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	Nota di contenuto	Data Analytics and Business Intelligence -- Toward Becoming a Data-Driven Organization: Challenges and Benefits -- A Big Data Conceptual Model to Improve Quality of Business Analytics -- How to measure in uence in social networks -- Developing a real-time tra c reporting and forecasting back-end system -- IoT Analytics Architectures: Challenges, solution proposals and future research directions -- Digital Enterprise and Technologies Structural Coupling, Strategy and Fractal Enterprise Modeling -- Systems-Thinking Heuristics for the Reconciliation of Methodologies for Design and Analysis for Information Systems Engineering -- An Ontology of IS Design Science Research Artefacts -- Evolution of Enterprise Architecture for Intelligent

Digital Systems -- Human Factors in Information Systems Online peer support groups for behaviour change: Moderation requirements -- User-Experience in Business Intelligence - A Quality Construct and Model to Design Supportive BI Dashboards -- FINESSE: Fair Incentives for Enterprise Employees -- Explainable Recommendations in Intelligent Systems: Delivery Methods, Modalities and Risks -- Participation in Hackathons: A Multi-Methods View on Motivators, Demotivators and Citizen Participation -- Information Systems Development and Testing A systematic literature review of blockchain-enabled smart contracts: platforms, languages, consensus, applications and choice criteria -- Scriptless testing at the GUI level in an industrial setting -- Improving Performance and Scalability of Model-Driven generated Web applications: An experience report -- TesCaV: An Approach for Learning Model-based Testing and Coverage in Practice -- Machine Learning and Text Processing Automatic Classi cation Rules for Anomaly Detection in Time-series -- Text Embeddings for Retrieval from a Large Knowledge Base -- Predicting Unemployment with Machine Learning Based on Registry Data -- Anomaly detection on data streams - A LSTM's diary -- Process Mining, Discovery, and Simulation Discovering Business Process Simulation Models in the Presence of Multitasking -- TLKC-Privacy Model for Process Mining -- Incremental Discovery of Hierarchical Process Models -- Security and Privacy -- Ontology Evolution in the Context of Model-based Secure Software Engineering -- Blockchain-Based Personal Health Records for Patients' Empowerment -- COPri - a Core Ontology for Privacy Requirements Engineering -- Privacy Preserving Real-Time Video Stream Change Detection Based on the Orthogonal Tensor Decomposition Models.

Sommario/riassunto	This book constitutes the proceedings of the 14th International Conference on Research Challenges in Information Sciences, RCIS 2020, held in Limassol, Cyprus, during September 23-25, 2020. The conference was originally scheduled in for 2020, but the organizing committee was forced to postpone the conference due to the outbreak of the COVID-19 pandemic. The scope of RCIS 2020 is summarized by the thematic areas of information systems and their engineering; user-oriented approaches; data and information management; business process management; domain-specific information systems engineering; data science; information infrastructures, and reflective research and practice. The 26 full papers and 3 work in progress papers presented in this volume were carefully reviewed and selected from 106 submissions. They were organized in topical sections named: Data Analytics and Business Intelligence; Digital Enterprise and Technologies; Human Factors in Information Systems; Information Systems Development and Testing; Machine Learning and Text Processing; and Security and Privacy. The volume also contains 12 poster and demo-papers, and 4 Doctoral Consortium papers.