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	Nota di contenuto	Requirements -- Goal Modelling: Design and Manufacturing in Cloud Migration High-Level Requirements -- Idea Browsing on Digital Participation Platforms: A Mixed-methods Requirements Study -- Conceptual modeling and ontologies -- What Do Users Think about Abstractions of Ontology-Driven Conceptual Models -- On the Semantics of Risk Propagation -- The omnipresent role of technology in social-ecological systems: ontological discussion and updated

integrated framework -- Machine Learning and Analytics -- Detection of fishing activities from vessel trajectories -- Framework for Blockchain Data Analysis -- Reinforcement learning for scriptless testing: An empirical investigation of reward functions -- Conceptual modeling and semantic networks -- DBSpark: A system for natural language to SPARQL translation -- An Automated Patterns-based Model-to-Model Mapping and Transformation System for Labeled Property Graphs -- Improving Conceptual Domain Characterization in Ontology Networks -- Business Process Design and Computing in the Continuum -- Digital Technology-Driven Business Process Redesign: A Classification Framework -- Supporting the Implementation of Digital Twins for IoT-Enhanced BPs -- Context-Aware Digital Twins to Support Software Management at the Edge -- Adoption of Virtual Agents in Healthcare E-commerce: a Perceived Value Perspective -- Requirements and Evaluation -- Addressing Trust Issues in Supply-Chain Management Systems through Blockchain Software Patterns -- Evaluating Process Effciency with Data Envelopment Analysis: a Case in the Automotive Industry -- A Model of Qualitative Factors in Forensic-Ready Software Systems -- Monitoring and recommending -- Monitoring object-centric Business Processes: An Empirical Study -- A Peekinto the Working Day: Comparing Techniques for Recording Employee Behaviour -- Context-aware recommender systems: aggregation-based dimensionality reduction -- Business processes analysis and improvement Discovery of Improvement Opportunities in Knock-out Checks of Business Processes -- Persuasive Visual Presentation of Prescriptive Business Processes -- TraVaG: Differentially Private Trace Variant Generation Using GANs -- User interface and experience -- When Dashboard's Content Becomes a Barrier - Exploring the Effects of Cognitive Overloads on BI Adoption -- The effect of visual information complexity on urban mobility intention and behavior -- Interoperability of Open Science Metadata: what about the reality -- Forum papers. -Online-Notes System: Real-time speech recognition and translation of lectures -- Temporal relation extraction from clinical texts using knowledge graphs -- Domain TILEs: Test Informed Learning with Examples from the Testing Domain -- Using GUI change detection for delta testing -- Enterprise Modeling for Machine Learning: Case-based Analysis and Initial Framework Proposal -- Towards Creating a Secure Framework for Building Mirror World Applications -- Towards a Secure and Privacy compliant Framework for Educational Data Mining -- Internet of Cloud (IoC): The need of raising privacy and security awareness -- Comparative study of unsupervised keyword extraction methods for job recommendation in an industrial environment -- A Meta-model for Digital Business Ecosystem Design -- Students in Team-Based Software Development Projects: An Exploratory Study -- Ontology of Product Provenance for Value Networks -- A Data Value Matrix: Linking FAIR Data with Business Models -- An Information Privacy Competency Model for Online Consumers -- DECENT: A Domain Specific Language to Design Governance Decisions -- Doctoral Consortium papers -- Business User-oriented Recommender System of Data -- Secure infrastructure for cyber-physical ranges -- Guidelines for Developers and Recommendations for Users to Mitigate Phishing Attacks: An Interdisciplinary Research Approach -- Leveraging Exogeneous Data for the Predictive Monitoring of IT Service Management Processes -- Predicting privacy decisions in mobile applications and raising users' privacy awareness -- Information overload: Coping mechanisms and tools impact.

Sommario/riassunto	This book constitutes the proceedings of the 17th International

Conference on Research Challenges in Information Sciences, RCIS 2023, which took place in Corfu, Greece, during May 23–26, 2023. It focused on the special theme "Information Science and the Connected World". The scope of RCIS 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 28 full papers presented in this volume were carefully reviewed and selected from a total of 87 submissions. The book also includes 15 Forum papers and 6 Doctoral Consortium papers. The contributions were organized in topical sections named: Requirements; conceptual modeling and ontologies; machine learning and analytics; conceptual modeling and semantic networks; business process design and computing in the continuum; requirements and evaluation; monitoring and recommending; business process analysis and improvement; user interface and experience; forum papers; doctoral consortium papers. Two-page abstracts of the tutorials can be found in the back matter of the volume.