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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynotes -- Search Computing Systems -- The Influence of IT Systems on the Use of the Earth's Resources -- Session 1: Business Process Modeling -- Design and Verification of Instantiable Compliance Rule Graphs in Process-Aware Information Systems -- Success Factors of e-Collaboration in Business Process Modeling -- Beyond Process Mining: From the Past to Present and Future -- Session 2: Information Systems

Quality -- Dependency Discovery in Data Quality -- Rationality of Cross-System Data Duplication: A Case Study -- Probabilistic Models to Reconcile Complex Data from Inaccurate Data Sources -- Session 3: Service Modelling -- Monitoring and Analyzing Service-Based Internet Systems through a Model-Aware Service Environment -- Modeling and Reasoning about Service-Oriented Applications via Goals and Commitments -- Conceptualizing a Bottom-Up Approach to Service Bundling -- Session 4: Security and Management -- Dynamic Authorisation Policies for Event-Based Task Delegation -- A New Approach for Pattern Problem Detection -- Comparing Safety Analysis Based on Sequence Diagrams and Textual Use Cases -- Session 5: Matching and Mining -- Feature-Based Entity Matching: The FBEM Model, Implementation, Evaluation -- Dealing with Matching Variability of Semantic Web Data Using Contexts -- GRUVe: A Methodology for Complex Event Pattern Life Cycle Management -- Supporting Semantic Search on Heterogeneous Semi-structured Documents -- Query Ranking in Information Integration -- Session 6: Case Studies and Experiences -- Validity of the Documentation Availability Model: Experimental Definition of Quality Interpretation -- Emerging Challenges in Information Systems Research for Regulatory Compliance Management -- Experience-Based Approach for Adoption of Agile Practices in Software Development Projects -- Coordinating Global Virtual Teams: Building Theory from a Case Study of Software Development -- Information Systems Evolution over the Last 15 Years -- Session 7: Conceptual Modelling -- From Web Data to Entities and Back -- Transformation-Based Framework for the Evaluation and Improvement of Database Schemas -- Reverse Engineering User Interfaces for Interactive Database Conceptual Analysis -- Towards Automated Inconsistency Handling in Design Models -- Session 8: Adaptation -- Dynamic Metamodel Extension Modules to Support Adaptive Data Management -- Supporting Runtime System Evolution to Adapt to User Behaviour -- Interaction-Driven Self-adaptation of Service Ensembles -- Session 9: Requirements -- On the Semantics of the Extend Relationship in Use Case Models: Open-Closed Principle or Clairvoyance? -- Situational Evaluation of Method Fragments: An Evidence-Based Goal-Oriented Approach -- Incorporating Modules into the i\* Framework -- Ahab's Leg: Exploring the Issues of Communicating Semi-formal Requirements to the Final Users -- The Brave New World of Design Requirements: Four Key Principles -- Session 10: Process Analysis -- The ICoP Framework: Identification of Correspondences between Process Models -- Process Compliance Measurement Based on Behavioural Profiles -- Business Trend Analysis by Simulation -- Workflow Soundness Revisited: Checking Correctness in the Presence of Data While Staying Conceptual -- Panel -- Octavian Panel on Intentional Perspectives on Information Systems Engineering.

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## Sommario/riassunto

The CAiSE series of conferences, started in 1989, provides an established - nne in the information systems engineering area for presenting and exchanging results of design-oriented research in information systems. The 22nd CAiSE conference, held in Hammamet, Tunisia, during June 7-11, 2010, continued this tradition. The theme of CAiSE 2010 was Information Systems Evolution. Modern information systems are the result of the interconnection of systems of many organizations, are running in variable contexts, and require both a lightweight approach to interoperability and the capability to actively react to changing requirements and failures. In addition, users of information systems are becoming more and more mobile and ubiquitous, requiring the system to adapt to their varying usage contexts and goals.

The evolution of an information system should be a continuous process rather than a single step, and it should be inherently supported by the system itself and the design of the information system should consider evolution as an inherent property of the system. The papers selected for CAiSE 2010 focus on this theme from various perspectives, from requirement engineering and conceptual modeling, to process and services modeling and analysis, to themes such as security, quality, management and applications in information systems. The first two days consisted of pre-conference workshops and events on business process modeling, modeling methods, requirements engineering, organizational modeling, interoperability and cooperation, ontologies, governance, empirical research in process-oriented systems, and domain engineering.

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