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Nota di contenuto	CoMoL 2009 – Conceptual Modeling in the Large -- Preface to CoMoL 2009 -- Semantic Service Design for Collaborative Business Processes in Internetworked Enterprises -- Algebraic Meta-structure Handling of Huge Database Schemata -- On Computing the Importance of Entity

Types in Large Conceptual Schemas -- ETheCoM 2009 – First International Workshop on Evolving Theories of Conceptual Modelling -- Preface to ETheCoM 2009 -- Invited Talks -- Is It Important to Explain a Theorem? A Case Study on UML and -- Towards a Theory of Conceptual Modelling -- Accepted Papers -- Assessing Modal Aspects of OntoUML Conceptual Models in Alloy -- First-Order Types and Redundant Relations in Relational Databases -- On Matrix Representations of Participation Constraints -- Toward Formal Semantics for Data and Schema Evolution in Data Stream Management Systems -- XML Machines -- FP-UML 2009 – Fifth International Workshop on Foundations and Practices of UML -- Preface to FP-UML 2009 -- Dependability and Agent Modeling -- Applying AUML and UML 2 in the Multi-agent Systems Project -- A Collaborative Support Approach on UML Sequence Diagrams for Aspect-Oriented Software -- Applying a UML Extension to Build Use Cases Diagrams in a Secure Mobile Grid Application -- Semantics Representation and Tools -- The MP (Materialization Pattern) Model for Representing Math Educational Standards -- XMI2USE: A Tool for Transforming XML to USE Specifications -- MOST-ONISW 2009 – The Joint International Workshop on Metamodels, Ontologies, Semantic Technologies, and Information Systems for the Semantic Web -- Preface to MOST-ONISW 2009 -- Analysis Procedure for Validation of Domain Class Diagrams Based on Ontological Analysis -- Ontology for Imagistic Domains: Combining Textual and Pictorial Primitives -- Using a Foundational Ontology for Reengineering a Software Enterprise Ontology -- Multi-level Conceptual Modeling and OWL -- QoIS 2009 – The Fourth International Workshop on Quality of Information Systems -- Preface to QoIS 2009 -- Assessment of Data Quality Factors -- Completeness in Databases with Maybe-Tuples -- Modeling, Measuring and Monitoring the Quality of Information -- Tools for Information System Quality Assessment -- Evaluating the Functionality of Conceptual Models -- Qbox-Services: Towards a Service-Oriented Quality Platform -- RIGiM 2009 – Third International Workshop on Requirements, Intentions and Goals in Conceptual Modeling -- Preface to RIGiM 2009 -- Modelling -- A Comparison of Goal-Oriented Approaches to Model Software Product Lines Variability -- A Lightweight GRL Profile for i\* Modeling -- Elicitation Issues -- From User Goals to Service Discovery and Composition -- ITGIM: An Intention-Driven Approach for Analyzing the IT Governance Requirements -- Adapting the i\* Framework for Software Product Lines -- SECOGIS 2009 – Third International Workshop on Semantic and Conceptual Issues in Geographic Information Systems -- Preface to SeCoGIS 2009 -- Foundational Aspects -- A New Point Access Method Based on Wavelet Trees -- A Reference System for Topological Relations between Compound Spatial Objects -- A Model for Geographic Knowledge Extraction on Web Documents -- Semantical Aspects -- A Semantic Approach to Describe Geospatial Resources -- An Ontology-Based Framework for Geographic Data Integration -- A Semantic Approach for the Modeling of Trajectories in Space and Time.

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## Sommario/riassunto

This book constitutes the refereed joint proceedings of eight international workshops held in conjunction with the 28th International Conference on Conceptual Modeling, ER 2009, in Gramado, Brazil, in November 2009. The 33 revised full papers presented were carefully reviewed and selected from 100 submissions. Topics addressed by the workshops are active conceptual modeling of learning (ACM-L), conceptual modeling in the large (CoMoL), evolving theories of conceptual modeling (ETheCoM), workshop on foundations and practices of UML (FP-UML), joint international workshop on metamodels, ontologies, semantic technologies, and information

systems for the semantic web (MOST-ONISW), quality of information systems (QoS), requirements, Intentions and goals in conceptual modeling ( RIGiM) and semantic and conceptual issues in geographic information systems (SeCoGIS).

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