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Nota di contenuto	First International Workshop on Conceptual Modeling for GIS (CoMoGIS 2004) -- Preface to CoMoGIS 2004 -- Geographical Conceptual Modeling -- A Conceptual Model for Supporting Multiple Representations and Topology Management -- Modeling Geospatial Databases with Plug-Ins for Visual Languages: A Pragmatic Approach and the Impacts of 16 Years of Research and Experimentations on

Perceptory -- Representing Ecological Niches in a Conceptual Model -- A CASE Tool for Geographic Database Design Supporting Analysis Patterns -- Spatial Storage, Indexing and Data Consistency -- GML Storage: A Spatial Database Approach -- TPKDB-Tree: An Index Structure for Efficient Retrieval of Future Positions of Moving Objects -- Moving Point Indexing for Future Location Query -- Topological Consistency for Collapse Operation in Multi-scale Databases -- Spatial Representation and Spatial Services -- Symbolization of Mobile Object Trajectories with the Support to Motion Data Mining -- Representing and Reasoning About Spatial Knowledge Based on Spatial Relevant Logic -- Towards System Architecture of Spatial Information Grid and Service-Based Collaboration -- Geo Web Services Based on Semantic -- Spatial Querying and Retrieval -- A Scaleless Data Model for Direct and Progressive Spatial Query Processing -- Querying Heterogeneous Spatial Databases: Combining an Ontology with Similarity Functions -- Retrieval of Heterogeneous Geographical Information Using Concept Brokering and Upper Level Ontology -- A New Quick Point Location Algorithm -- First International Workshop on Conceptual Model-Directed Web Information Integration and Mining (CoMWIM 2004) -- Preface to CoMWIM 2004 -- Web Information Integration -- Checking Semantic Integrity Constraints on Integrated Web Documents -- X2S: Translating XPath into Efficient SQL Queries -- On Aggregation Operators for Fuzzy Information Sources -- Web Information Mining -- CL2: A Multi-dimensional Clustering Approach in Sensor Networks -- TCMiner: A High Performance Data Mining System for Multi-dimensional Data Analysis of Traditional Chinese Medicine Prescriptions -- Association Rule Mining Based on the Multiple-Dimensional Item Attributes -- Conceptual Model for Web Information -- OWL-Based Semantic Conflicts Detection and Resolution for Data Interoperability -- From Ontology to Relational Databases -- A New Dynamic Indexing Structure for Searching Time-Series Patterns -- Web Information Systems and Web Services -- Automatic Location and Separation of Records: A Case Study in the Genealogical Domain -- Research and Implementation of CORBA Web Services -- Grammar Based Interface Processing in Web Service Composition -- Query Rewriting for Extracting Data Behind HTML Forms -- Third International Workshop on Evolution and Change in Data Management (ECDM 2004) -- Preface to ECDM 2004 -- Systems Evolution Support in Conceptual Modeling -- Automatic Integrity Constraint Evolution due to Model Subtract Operations -- An Ontological Framework for Evolutionary Model Management -- Elementary Translations: The Seesaws for Achieving Traceability Between Database Schemata -- Temporal and Evolution Aspects in Internet-Based Information Systems -- Towards the Managment of Time in Data-Intensive Web Sites -- Evolution of XML-Based Mediation Queries in a Data Integration System -- Schema Evolution and Versioning in Data Management -- Schema Versioning in Data Warehouses -- Facilitating Database Attribute Domain Evolution Using Mesodata -- Multitemporal Conditional Schema Evolution -- First International Workshop on Conceptual Modeling for Agents (CoMoA 2004) -- Preface to CoMoA 2004 -- Conceptual Modelling of Agents -- A Sociological Framework for Multi-agent Systems Validation and Verification -- Spatio-temporal Relevant Logic as the Logical Basis for Specifying, Verifying, and Reasoning About Mobile Multi-agent Systems -- Towards an Ontology for Agent Mobility -- Agents' Applications and Conceptual Models -- Subjective Trust Inferred by Kalman Filtering vs. a Fuzzy Reputation -- Conceptual Model of BDI Agents within an ITS -- Model-Driven Agent-Based Web Services IDE -- AFDM: A UML-Based Methodology for Engineering Intelligent Agents -- First International

Workshop on Digital Government: Systems and Technologies (DGOV 2004) -- Preface to DGOV 2004 -- Digital Government: Systems -- IECS: An Integrated E-Community System for Management, Decision and Service -- WebDG – A Platform for E-Government Web Services -- A Study on Camera-Detector System for Traffic Control in Korea -- Digital Government: Technologies -- Ontology-Based Models of Legal Knowledge -- Aspects of Regulatory and Legal Implications on e-Voting -- Architecture for Implementing the Mobile Government Services in Korea -- Fifth International Workshop on Conceptual Modeling Approaches for E-Business (eCOMO 2004) -- Preface to eCOMO 2004 -- E-Business Systems Requirements Engineering -- Modeling Business Strategy in E-Business Systems Requirements Engineering -- A Method and Tool for Wide Audience Requirements Elicitation and Rapid Prototyping for Mobile Systems -- Methodology for the Development of a Sectoral Standard for EDI -- E-Business Systems Requirements Engineering -- Classification of Business Process Correspondences and Associated Integration Operators -- On Behavioural Model Transformation in Web Services -- Model-Driven Planning and Development of Infrastructures for E-Commerce.

Sommario/riassunto

We would like to welcome you to the proceedings of the workshops held in conjunction with the 23rd International Conference on Conceptual Modeling (ER 2004). The objective of the workshops associated with ER 2004 was to give p- ticipants the opportunity to present and discuss emerging hot topics related to conceptual modeling, thereby adding new perspectives to conceptual mod- ing. To meet the objective, we selected six workshops with topics on conceptual modeling for Web information integration, digital government,GIS,change management, e-business, and agent technology. Some of these workshops were brand new while others had been held in conjunction with ER conferences as many as ?ve times. They are: 1. 1st International Workshop on Conceptual Model- Directed Web Information Integration and Mining (CoMWIM 2004) 2. 1st International Workshop on Digital Government: Systems and Techno- gies (DGOV 2004) 3. 1st International Workshop on Conceptual Modeling for GIS (CoMoGIS 2004) 4. 3rd International Workshop on Evolution and Change in Data Management (ECDM 2004) 5. 1st International Workshop on Conceptual Modelling for Agents (CoMoA 2004) 6. 5th International Workshop on Conceptual Modeling Approaches for E-Business (The Model-Driven Design Value Proposition) (eCOMO 2004) These six workshops received 38, 16, 58, 21, 17, and 13 papers, respectively. Following the philosophy of the ER workshops, the selection of contributions was very carefully carried out in order to keep the excellent standard; 13, 6, 16, 8, 7, and 6 papers were accepted by the six workshops, respectively, with acceptance rates 34%, 37%, 27%, 38%, 41%, and 46%, respectively.