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Simulation Workflow Design -- Augmenting and Assisting Model Elicitation Tasks with 3D Virtual World Context Metadata -- Deployment of Service-Based Processes in the Cloud Using Petri Net Decomposition -- Process Enactment -- Log-Based Understanding of Business Processes through Temporal Logic Query Checking -- Approach and Refinement Strategies for Flexible Choreography Enactment -- Business Process Fragments Behavioral Merge -- Monitoring and Quality Assessment -- Provenance-Based Quality Assessment and Inference in Data-Centric Workflow Executions -- Collaborative Building of an Ontology of Key Performance Indicators -- Aligning Monitoring and Compliance Requirements in Evolving Business Networks -- Managing Similarity -- TAGER: Transition-Labeled Graph Edit Distance Similarity Measure on Process Models -- CFS: A Behavioral Similarity Algorithm for Process Models Based on Complete Firing Sequences -- Efficient Behavioral-Difference Detection between Business Process Models -- Compliance Checking of Data-Aware and Resource-Aware Compliance Requirements -- Software Services -- RelBOSS: A Relationship-Aware Access Control Framework for Software Services -- A QoS-Aware, Trust-Based Aggregation Model for Grid Federations -- Towards a Formal Specification of SLAs with Compensations -- Steady Network Service Design for Seamless Inter-cloud VM Migration -- Improving Alignment -- Prognosing the Compliance of Declarative Business Processes Using Event Trace Robustness -- Event-Based Real-Time Decomposed Conformance Analysis -- Capitalizing the Designers' Experience for Improving Web API Selection -- Collaboration Systems and Applications -- Software Support Requirements for Awareness in Collaborative Modeling -- Trusted Dynamic Storage for Dunbar-Based P2P Online Social Networks -- A Cooperative Information System for Managing Traffic Incidents with the PAUSETA Protocol -- Short Papers -- Mining Business Process Deviance: A Quest for Accuracy -- Multi-paradigm Process Mining: Retrieving Better Models by Combining Rules and Sequences -- Ontologies, DataBases, and Applications of Semantics (ODBASE) 2014 -- ODBASE 2014 PC Co-Chairs Message -- Ontology Querying Methodologies and Paradigms -- Fuzzy XPath Queries in XQuery -- Flexible Querying for SPARQL -- How Good Is Your SPARQL Endpoint? A QoS-Aware SPARQL -- Endpoint Monitoring and Data Source Selection Mechanism for Federated SPARQL Queries -- Embedding OWL Querying and Reasoning into XQuery -- Ontology Support for Web, XML and RDF Data -- Processing and Retrieval -- Deriving Folksonomies for Improving Web API Search -- Adaptive Similarity of XML Data -- FAGI: A Framework for Fusing Geospatial RDF Data -- Knowledge Bases Querying and Retrieval -- Online Reasoning for Ontology-Based Error Detection in Text -- Making Metaquerying Practical for Hi(DL-LiteR) Knowledge Bases -- Knowledge-Based Compliance Checking of Business Processes -- Improved Automatic Maturity Assessment of Wikipedia Medical Articles -- Social Network and Collaborative Methodologies -- Integrity Management in a Trusted Utilitarian Data Exchange Platform -- A Model to Support Multi-Social-Network Applications -- A Method for Detecting Behavior-Based User Profiles in Collaborative Ontology Engineering -- Defining and Investigating the Scope of Users and Hashtags in Twitter -- Ontology-Assisted Event and Stream Processing -- Constructing Event Processing Systems of Layered and Heterogeneous Events with SPARQL -- On Efficient Processing of Linked Stream Data -- Applying Semantics to Optimize End-User Services in Telecommunication Networks -- Ontology-Assisted Warehousing Approaches -- An Ontology-Based Data Exploration Tool for Key Performance Indicators -- Arabic-English

Domain Terminology Extraction from Aligned Corpora -- Towards a Configurable Database Design: A Case of Semantic Data Warehouses -- Ontology-Based Data Representation and Management in Emerging Domains Describing Research Data: A Case Study for Archaeology -- Enriching Semantically Web Service Descriptions -- Parameterized Algorithms for Matching and Ranking Web Services -- (Short Paper) -- Arabic Domain Terminology Extraction: A Literature Review.-(Short Paper).

Sommario/riassunto

This volume constitutes the refereed proceedings of the Confederated International Conferences: Cooperative Information Systems, CoopIS 2014, and Ontologies, Databases, and Applications of Semantics, ODBASE 2014, held as part of OTM 2014 in October 2014 in Amantea, Italy. The 39 full papers presented together with 12 short papers and 5 keynotes were carefully reviewed and selected from a total of 115 submissions. The OTM program covers subjects as follows: process designing and modeling, process enactment, monitoring and quality assessment, managing similarity, software services, improving alignment, collaboration systems and applications, ontology querying methodologies and paradigms, ontology support for web, XML, and RDF data processing and retrieval, knowledge bases querying and retrieval, social network and collaborative methodologies, ontology-assisted event and stream processing, ontology-assisted warehousing approaches, ontology-based data representation, and management in emerging domains.