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Machine Learning for Relation Extraction -- Information Retrieval -- Using Evidences Based on Natural Language to Drive the Process of Fusing Multimodal Sources -- An Experimental Comparison of Explicit Semantic Analysis Implementations for Cross-Language Retrieval -- Term Extraction -- CITOM: Incremental Construction of Topic Maps -- Schema-Matching with Data Dictionaries -- Requirements Analysis: Concept Extraction and Translation of Textual Specifications to Executable Models -- Information Extraction -- Score-Based Approach for Anaphora Resolution in Drug-Drug Interactions Documents -- Relation Extraction for Monitoring Economic Networks -- Classification of Text -- Real-Word Typo Detection -- The Impact of Semantic and Morphosyntactic Ambiguity on Automatic Humour Recognition -- Semantic Approaches to Fine and Coarse-Grained Feature-Based Opinion Mining -- Classification of Documents -- Analyzing Document Collections via Context-Aware Term Extraction -- AIR: A Semi-Automatic System for Archiving Institutional Repositories -- Protein-Protein Interactions Classification from Text via Local Learning with Class Priors -- Interfaces to Knowledge Bases -- Natural Language Interfaces: What Is the Problem? – A Data-Driven Quantitative Analysis -- Semantic Mapping between Natural Language Questions and SQL Queries via Syntactic Pairing -- Search Interface to a Mayan Glyph Database Based on Visual Characteristics -- Using Semantic Models of Natural Language -- Temporal Expression Identification Based on Semantic Roles -- Evaluation of Arabic Machine Translation System Based on the Universal Networking Language -- Quality Assessment of Knowledge Sources -- Quality ofSubsumption Hierarchies in Ontologies -- Evaluating Semantic Relations by Exploring Ontologies on the Semantic Web -- On the Assessment of Text Corpora -- Poster Papers -- Improving Semantic Web Applications with Navigational Semantics -- Hybrid Algorithm for Word-Level Alignment of Parallel Texts -- A Hybrid Approach for Data Mart Schema Design from NL-OLAP Requirements -- Spreadsheet Information Retrieval through Natural Language -- Characterizing Weblog Corpora -- Improving Full Text Search with Text Mining Tools -- Cognos: A Natural Interaction Knowledge Management Toolkit -- Doctoral Symposium Papers -- Specialized Entailment Engines: Approaching Linguistic Aspects of Textual Entailment -- Natural Language Processing for Spreadsheet Information Retrieval -- Use Speech for User's Group Identification.

Sommario/riassunto   This volume contains the papers presented at NLDB 2009, the 14th Inter- tional Conference on Applications of Natural Language to Information Systems held June 24–26, 2009, at the University of the Saarland and the German - search Center for Arti?cial Intelligence in Saarbruc ¨ ken, Germany. In addition to reviewed submissions, the program also included contributions to the doctoral symposiumheldduring NLDB2009aswellastwoinvitedtalks.Thesetalksc-ered some of the currently hot topics in the use of natural languagefor accessing information systems. Wereceived51submissionsasregularpapersforthemainconference,2extra submissions as posters, and 3 short papers for the doctoral symposium. Each paper for the main conference was assigned four reviewers, taking into account preferences expressed by the ProgramCommittee members as much as possible. Within the review deadline, we received at least three reviews for almost all submissions. After the review deadline, the Conference Organizing Committee members and the Program Committee Chair acted as meta-reviewers. This task included studying the reviews and the papers, speci?cally those whose assessment made them borderline cases, and discussing con?icting opinions and their impact on

the assessment of individual papers. Finally, the meta-reviewers wrote additional reviews for the few papers which received less than three reviews, as well as for papers which received reviews with considerably con?icting assessments.