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Soggetti	Natural language processing (Computer science) Artificial intelligence Information storage and retrieval systems Data mining Computer science Natural Language Processing (NLP) Artificial Intelligence Information Storage and Retrieval Data Mining and Knowledge Discovery Computer Science
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Nota di contenuto	Full Papers -- Extraction of Statements in News for a Media Response Analysis -- Sentiment-Based Ranking of Blog Posts Using Rhetorical Structure Theory -- Automatic Detection of Ambiguous Terminology for Software Requirements -- An OpenCCG-Based Approach to Question Generation from Concepts -- A Hybrid Approach for Arabic Diacritization -- EDU-Based Similarity for Paraphrase Identification -- Exploiting Query Logs and Field-Based Models to Address Term Mismatch in an HIV/AIDS FAQ Retrieval System -- Exploring Domain-Sensitive Features for Extractive Summarization in the Medical Domain

-- A Corpus-Based Approach for the Induction of Ontology Lexica --  
 SQUALL: A Controlled Natural Language as Expressive as SPARQL 1.1 --  
 Evaluating Syntactic Sentence Compression for Text Summarisation --  
 An Unsupervised Aspect Detection Model for Sentiment Analysis of  
 Reviews -- Cross-Lingual Natural Language Querying over the Web of  
 Data -- Extractive Text Summarization: Can We Use the Same  
 Techniques for Any Text? -- Unsupervised Medical Subject Heading  
 Assignment Using Output Label Co-occurrence Statistics and Semantic  
 Predications -- Bayesian Model Averaging and Model Selection for  
 Polarity Classification -- An Approach for Extracting and  
 Disambiguating Arabic Persons' Names Using Clustered Dictionaries  
 and Scored Patterns -- ANEAR: Automatic Named Entity Aliasing  
 Resolution -- Improving Candidate Generation for Entity Linking --  
 Person Name Recognition Using the Hybrid Approach -- A Broadly  
 Applicable and Flexible Conceptual Metagrammar as a Basic Tool for  
 Developing a Multilingual Semantic Web -- Short Papers -- MOSAIC: A  
 Cohesive Method for Orchestrating Discrete Analytics in a Distributed  
 Model -- Ranking Search Intents Underlying a Query -- Linguistic  
 Sentiment Features for Newspaper Opinion Mining -- Text  
 Classification of Technical Papers Based on Text Segmentation --  
 Product Features Categorization Using Constrained Spectral Clustering  
 -- A New Approach for Improving Cross-Document  
 KnowledgeDiscovery Using Wikipedia -- Using Grammar-Profiles to  
 Intrinsically Expose Plagiarism in Text Documents -- Feature Selection  
 Methods in Persian Sentiment Analysis -- Towards the Refinement of  
 the Arabic Soundex -- An RDF-Based Semantic Index -- Experiments in  
 Producing Playful "Explanations" for Given Names (Anthroponyms) in  
 Hebrew and English -- Collaborative Enrichment of Electronic  
 Dictionaries Standardized-LMF -- Enhancing Machine Learning Results  
 for Semantic Relation Extraction -- GenDesc: A Partial Generalization of  
 Linguistic Features for Text Classification -- Entangled Semantics --  
 Poster Papers -- Phrase Table Combination Deficiency Analyses in  
 Pivot-Based SMT -- Analysing Customers Sentiments: An Approach to  
 Opinion Mining and Classification of Online Hotel Reviews -- An  
 Improved Discriminative Category Matching in Relation Identification --  
 Extracting Fine-Grained Entities Based on Coordinate Graph -- NLP-  
 Driven Event Semantic Ontology Modeling for Story -- The  
 Development of an Ontology for Reminiscence -- Chinese Sentence  
 Analysis Based on Linguistic Entity-Relationship Model -- A  
 Dependency Graph Isomorphism for News Sentence Searching --  
 Unsupervised Gazette Creation Using Information Distance -- A Multi-  
 purpose Online Toolset for NLP Applications -- A Test-Bed for Text-  
 to-Speech-Based Pedestrian Navigation Systems -- Automatic  
 Detection of Arabic Causal Relations -- A Framework for Employee  
 Appraisals Based on Inductive Logic Programming and Data Mining  
 Methods -- A Method for Improving Business Intelligence Interpretation  
 through the Use of Semantic Technology -- Code Switch Point  
 Detection in Arabic -- SurveyCoder: A System for Classification of  
 Survey Responses -- Rhetorical Representation and Vector  
 Representation in Summarizing Arabic Text.

## Sommario/riassunto

This book constitutes the refereed proceedings of the 18th International Conference on Applications of Natural Language to Information Systems, held in Salford, UK, in June 2013. The 21 long papers, 15 short papers and 17 poster papers presented in this volume were carefully reviewed and selected from 80 submissions. The papers cover the following topics: requirements engineering, question answering systems, named entity recognition, sentiment analysis and mining, forensic computing, semantic web, and information search.

