## Table of Contents

## Full Papers

Extraction of Statements in News for a Media Response Analysis Thomas Scholz and Stefan Conrad	1
Sentiment-Based Ranking of Blog Posts Using Rhetorical Structure Theory	13
Jose M. Chenlo, Alexander Hogenboom, and David E. Losada	
Automatic Detection of Ambiguous Terminology for Software Requirements	25
Yue Wang, Irene L. Manotas Gutiérrez, Kristina Winbladh, and Hui Fang	
An OpenCCG-Based Approach to Question Generation	
from Concepts	38
A Hybrid Approach for Arabic Diacritization	53
EDU-Based Similarity for Paraphrase Identification	65
Exploiting Query Logs and Field-Based Models to Address Term Mismatch in an HIV/AIDS FAQ Retrieval System	77
Exploring Domain-Sensitive Features for Extractive Summarization in the Medical Domain	90
A Corpus-Based Approach for the Induction of Ontology Lexica	102
SQUALL: A Controlled Natural Language as Expressive as SPARQL 1.1	114
Evaluating Syntactic Sentence Compression for Text Summarisation	120

An Unsupervised Aspect Detection Model for Sentiment Analysis	
of Reviews	140
Cross-Lingual Natural Language Querying over the Web of Data Nitish Aggarwal, Tamara Polajnar, and Paul Buitelaar	152
Extractive Text Summarization: Can We Use the Same Techniques for Any Text?	164
Unsupervised Medical Subject Heading Assignment Using Output Label Co-occurrence Statistics and Semantic Predications	176
Bayesian Model Averaging and Model Selection for Polarity Classification	189
An Approach for Extracting and Disambiguating Arabic Persons' Names Using Clustered Dictionaries and Scored Patterns Omnia Zayed, Samhaa El-Beltagy, and Osama Haggag	201
ANEAR: Automatic Named Entity Aliasing Resolution	213
Improving Candidate Generation for Entity Linking	225
Person Name Recognition Using the Hybrid Approach	237
A Broadly Applicable and Flexible Conceptual Metagrammar as a Basic Tool for Developing a Multilingual Semantic Web  Vladimir A. Fomichov	249
Short Papers	
MOSAIC: A Cohesive Method for Orchestrating Discrete Analytics in a Distributed Model	260
Ranking Search Intents Underlying a Query	266

Table of Contents	XIII
Linguistic Sentiment Features for Newspaper Opinion Mining  Thomas Scholz and Stefan Conrad	272
Text Classification of Technical Papers Based on Text Segmentation Thien Hai Nguyen and Kiyoaki Shirai	278
Product Features Categorization Using Constrained Spectral Clustering	285
A New Approach for Improving Cross-Document Knowledge Discovery Using Wikipedia	291
Using Grammar-Profiles to Intrinsically Expose Plagiarism in Text  Documents	297
Feature Selection Methods in Persian Sentiment Analysis	303
Towards the Refinement of the Arabic Soundex	309
An RDF-Based Semantic Index	315
Experiments in Producing Playful "Explanations" for Given Names (Anthroponyms) in Hebrew and English	321
Collaborative Enrichment of Electronic Dictionaries Standardized-LMF	328
Enhancing Machine Learning Results for Semantic Relation  Extraction	337
GenDesc: A Partial Generalization of Linguistic Features for Text Classification	343
Entangled Semantics	349

## Poster Papers

Phrase Table Combination Deficiency Analyses in Pivot-Based SMT  Yiming Cui, Conghui Zhu, Xiaoning Zhu, Tiejun Zhao, and Dequan Zheng	355
Analysing Customers Sentiments: An Approach to Opinion Mining and Classification of Online Hotel Reviews	359
An Improved Discriminative Category Matching in Relation Identification	363
Extracting Fine-Grained Entities Based on Coordinate Graph	367
NLP-Driven Event Semantic Ontology Modeling for Story	372
The Development of an Ontology for Reminiscence	376
Chinese Sentence Analysis Based on Linguistic Entity-Relationship Model	380
A Dependency Graph Isomorphism for News Sentence Searching	384
Unsupervised Gazette Creation Using Information Distance	388
A Multi-purpose Online Toolset for NLP Applications	392
A Test-Bed for Text-to-Speech-Based Pedestrian Navigation Systems Michael Minock, Johan Mollevik, Mattias Åsander, and Marcus Karlsson	396
Automatic Detection of Arabic Causal Relations	400
A Framework for Employee Appraisals Based on Inductive Logic Programming and Data Mining Methods	404
A Method for Improving Business Intelligence Interpretation through the Use of Semantic Technology	408

Table of Contents	XV
Code Switch Point Detection in Arabic	412
SurveyCoder: A System for Classification of Survey Responses	417
Rhetorical Representation and Vector Representation in Summarizing  Arabic Text	421
Author Index	425