

Table of Contents

I Logic

Wisdom Technology: A Rough-Granular Approach	3
<i>Andrzej Jankowski and Andrzej Skowron</i>	
Paraconsistent Reasoning with Words	43
<i>Alicja S. Szalas and Andrzej Szalas</i>	

II Language

On the Root-Based Lexicon for Polish	61
<i>Joanna Rabiega-Wiśniewska</i>	
Representation of Uzbek Morphology in Prolog	83
<i>Gayrat Matlatipov and Zygmunt Vetulani</i>	
Inflection of Polish Multi-Word Proper Names with Morfeusz and Multiflex	111
<i>Agata Savary, Joanna Rabiega-Wiśniewska, and Marcin Woliński</i>	
A New Formal Definition of Polish Nominal Phrases	143
<i>Marek Świdziński and Marcin Woliński</i>	
Morphosyntactic Constraints in the Acquisition of Linguistic Knowledge for Polish	163
<i>Maciej Piasecki and Adam Radziszewski</i>	
Towards the Automatic Acquisition of a Valence Dictionary for Polish ...	191
<i>Adam Przepiórkowski</i>	
Semantic Annotation of Verb Arguments in Shallow Parsed Polish Sentences by Means of the EM Selection Algorithm	211
<i>Elżbieta Hajnicz</i>	
Adjectives: Constructions vs. Valence	241
<i>Anna Kupść</i>	

III Applications

User-Centered Design for a Voice Portal	273
<i>Krzysztof Marasek, Łukasz Brocki, Danijel Koržinek, Krzysztof Szklanny, and Ryszard Gubrynowicz</i>	

Speech Understanding System SUSY—A New Version of the Speech Synthesis Program	295
<i>Jerzy Cytowski</i>	
Exploring Curvature-Based Topic Development Analysis for Detecting Event Reporting Boundaries.....	311
<i>Jakub Piskorski</i>	
Domain Model for Medical Information Extraction—The LightMedOnt Ontology.....	333
<i>Agnieszka Mykowiecka and Malgorzata Marciniak</i>	
A Survey of Text Processing Tools for the Automatic Analysis of Molecular Sequences	359
<i>Andrzej Polański, Rafał Pokrzywa, and Marek Kimmel</i>	
Intelligent Decision Support: A Fuzzy Stock Ranking System	379
<i>Adam Ghandar, Zbigniew Michalewicz, and Ralf Zurbruegg</i>	
COLLANE: An Experiment in Computer-Mediated Tacit Collaboration..	411
<i>Tomek Strzalkowski, Sarah Taylor, Samira Shaikh, Ben-Ami Lipetz, Hilda Hardy, Nick Webb, Tony Cresswell, Ting Liu, Min Wu, Yu Zhan, and Song Chen</i>	
Author Index	451