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COMPUTATIONAL LINGUISTICS IN THE JOURNAL OF BULGARIAN LANGUAGE

This is the second time since 2009 that the journal compiles a special issue dedicated to computational linguistics. In the context of the radically changing ways of communicating and organising information that mark the digital age, a vehement transition has been under way – a transition from traditional methods of collecting and processing language data to computer-based methods that provide greater opportunities for accurate and complete description of various language phenomena. Computational linguistics is a relatively new but rapidly evolving scientific field that involves application of mathematical models to the description of natural language and creation of electronic language resources and programming tools which not only streamline the work of linguists, but have various applications in numerous areas.

The issue opens with the study *LexRank: Graph-based Lexical Centrality as Salience in Text Summarization* by Güneş Erkan and Dragomir Radev (translated into Bulgarian).

Ivan Derzhanski analyses words denoting short periods of time in Bulgarian and Ukrainian as represented in parallel corpora.

In their joint paper Svetlozara Leseva and Ivelina Stoyanova present the initial phase of their work on developing a system for automatic anaphora resolution for Bulgarian.

Valentina Stefanova and Tsvetana Dimitrova discuss the classification of adjectives in the Bulgarian linguistic literature in the context of their encoding and classification in Wordnet.

Rositsa Dekova, Svetlozara Leseva, Maria Todorova and Ekaterina Tarpomanova address some structural features of Bulgarian adjective phrases.

In his paper Todor Lazarov analyses the resources needed for building a statistical model for translation of verb forms from Bulgarian to English.

The papers included in this issue present but a small part of the scientific results achieved by the team of the Department of Computational Linguistics with the Institute for Bulgarian Language at BAS and some of their partners under national and international projects. At the same time the featured studies outline the vast prospects opening to this scientific field.

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