TOWARDS A SEMANTIC NETWORK ENRICHED
WITH A VARIETY OF SEMANTIC RELATIONS

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This issue of the Journal presents results of research carried out within the project *Towards a Semantic Network Enriched with a Variety of Semantic Relations* funded by the National Science Fund under the Fundamental Scientific Research Programme, Grant Agreement 10/3/2016.

In their paper *Integrating Subcategorisation Information in WordNet's Relational Structure* Svetlozara Leseva, Ivelina Stoyanova, Hristina Kukova and Maria Todorova outline the process of defining and classifying a set of semantic relations based on predicate-argument relations with a view to encoding this information in the lexical-semantic net WordNet. The team employs an original methodology which results in acquiring new knowledge of the thematic structure of Bulgarian predicates through the alignment of three semantic and syntactic resources – VerbNet, FrameNet and WordNet. A theoretical contribution of the study is related to the enrichment of morpho-syntactic relations of Bulgarian verbs with semantic information, while in a theoretical and applied perspective the research makes possible the integration of the knowledge of the semantic relations of Bulgarian verbs into the WordNet framework.

Tsvetana Dimitrova's *Morphosemantic Relations and Agentive Nouns in the Bulgarian WordNet* describes a stage of the work on expanding the set of morphosemantic relations assigned between pairs of verb and noun synsets in the Bulgarian WordNet. A contribution is made towards linguistic generalisations on the derivational patterns and the corresponding semantic roles, on the one hand, and the frequency of the additional morphosemantic relations that link verbs from the semantic classes under discussion with derived nouns belonging to various semantic classes, on the other.The issue features two surveys carried out as part of the project which put forward valuable conclusions with respect to new directions in linguistics and are very useful as a point of departure for future studies. In *Knowledge Representation by means of Semantic Nets* Svetlozara Leseva makes an overview of the existing semantic nets and the major trends in their development which include integration of existing and

emerging resources and data bases in unified systems based on taxonomies and/ or ontologies. The author presents her observations on a variety of contemporary resources and collections of data organised in the form of semantic nets in an accessible, clear and systematic way.

In *Semantic Relations: Theoretical and Practical Aspects* Ivelina Stoyanova and Maria Todorova give an overview of popular theoretical descriptions of semantic relations and survey the applied aspects of the systems of semantic relations encoded in wordnets for different languages with a view to facilitating the expansion of the Bulgarian WordNet with new relations. The study makes a contribution to the adaptation of foreign terminology in the context of Bulgarian linguistic literature and the summarisation of the issues related to transferring knowledge from one language or resource to another.

A paper remaining outside the topic of the issue is also included – Nadka Nikolova's *Codification of a Crisis Foretold: The Definite Forms of Masculine Nouns – Past, Present, Prospects*. The study discusses the history of the codification of the long/short definite article rule for masculine singular nouns to the end of establishing the reasons for the codification of the currently existing rule and proposing possible solutions.

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