

Special Issue

Natural Language Processing: Approaches and Applications

Message from the Guest Editors

The natural language document processing is one of the most important tasks of modern information technologies. The results are used in a wide variety of fields: from extracting new information and knowledge from scientific publications in order to create the information and analytical systems to support the scientific activities, to the analysis of blogs for the purpose of study the consumer ratings of a particular product. To solve this problem, the various approaches are used: the study of the lower structural levels of the text, in particular, the syntax and the vocabulary, allows the usage of classic finite state algorithms that permit to obtain the reliably interpreted results, while the study of the higher structural levels of the text, the semantics and the pragmatics, requires the usage of the machine learning methods. All of the above defines a wide range of the tasks and the approaches to their solution, to which this special issue is devoted.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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