Special Issue

Current Trends in Natural Language Processing (NLP) and Human Language Technology (HLT)

Message from the Guest Editor

This Special Issue is concerned with technologies for processing human language in the form of text, with Natural Language Processing (NLP) tools and techniques responding to the two main existing challenges: natural language understanding and natural language generation. In the broad spectrum of research areas that are concerned with computational approaches to natural language, we will be looking at all main levels at which language processing is performed —the morphological level, the syntactic level, the semantic level, the pragmatic level, both from a theoretical and from a practical perspective. Topics include (but are not limited to) information extraction, information retrieval, text mining, text summarization, computational social science, discourse and dialog systems, interpretability, ethics in NLP, etc. Human language technology (HLT), requiring advanced NLP and computational linguistics, as well as the availability of big data, results in large-scale systems and applications and has been recognized as representing a major challenge for computing. The Special Issue deals with this challenge, one that will help bridge the linguistic gap between people and machines.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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