New Machine Learning and Deep Learning Techniques in Natural Language Processing

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Message from the Guest Editors

The purpose of this Special Issue is to collect articles where the old and new challenges in NLP are treated by new approaches, either using traditional machine learning techniques or via deep learning approaches. Hybrid techniques, especially between machine learning and metaheuristics, towards improving the accuracy represent another type of framework that would be well-suited in the collection of papers gathered in this Special Issue. Moreover, the involvement of computational intelligence methods and algorithms, e.g., evolutionary algorithms (particularly genetic algorithms), swarm intelligence, as well as other nature and non-nature inspired metaheuristics-based approaches, for enhancing the results would represent another type of successful applications that would fit well within the papers of the Special Issue. As regards the type of NLP applications, we encourage submissions dealing with text classification, sentiment analysis, authorship attribution, text document clustering, detection of fake news, machine translation, text summarization, development of chatbots, grammar checking, and voice assistants, but we do not limit the examples to these.

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Special Issue

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Message from the Editor-in-Chief

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