Special Issue

Applications, Challenges and Future Direction of Natural Language Processing Based on Deep Learning

Message from the Guest Editor

NLP is a crucial area of Artificial Intelligence that enables machines to process, understand, and generate human languages.
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 interdisciplinary NLP studies. However, we do not limit the examples to these and welcome other innovative NLP applications. We look forward to receiving your contributions and to shaping the future of NLP together.
Natural language understanding and generation
Machine translation
Question answering and dialogue systems
Knowledge extraction and modelling
Knowledge-graph-based approaches
Text summarization and style transfer
Text classification, topic extraction, and discourse analysis
Fake news, misinformation, and disinformation detection
Echo chamber and polarization detection
Sentiment analysis, emotion recognition, and stance detection
Document analysis, information extraction, and text mining
Behavior modeling
Social and psychological applications of NLP
Multilanguage approaches
Transfer learning in NLP

Guest Editor

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Deadline for manuscript submissions

closed (10 March 2025)

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Message from the Editor-in-Chief

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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