Special Issue

Computational Linguistics: From Text to Speech Technologies

Message from the Guest Editors

This Special Issue serves as a platform to explore the latest research, methodologies, and applications that drive the development of various text-to-speech technologies, such as automatic speech recognition, machine interpreting, speech translation, and speech-to-text software, among others. The Special Issue is intended for researchers, practitioners, and enthusiasts in the fields of computational linguistics, corpus linguistics, natural language processing, and machine learning. We invite research studies based on neural network architectures, large language models, linguistic modeling, AI-driven systems, and the intersection of linguistics and computer science (including multilingual communication). We would also like to invite authors to address the challenges in applying text-to-speech technologies in practical applications, low-resource languages, and specific domains.

- artificial intelligence (AI)
- automatic speech recognition (ASR)
- machine interpreting (MI)
- cascaded models
- end2end models
- speech-to-text (STT) modelling
- speech translation
- quality estimation
- large language models (LLMs)

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2025)

About the Journal

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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