

## Special Issue

# Advanced Human–AI Interaction: Speech and Natural Language Processing

### Message from the Guest Editor

This Special Issue highlights recent progress in artificial intelligence, focusing on applications in Natural Language Processing (NLP) with an emphasis on Speech Recognition. It brings together novel ideas and empirical findings, addressing both theoretical concepts and real-world implementations. Topics include the use of artificial intelligence, machine learning, and deep learning to analyze large-scale data from sources like satellites, scientific research, sensor networks, and medical diagnostics. A key component is the comparison of deep learning models, evaluating their efficiency, accuracy, generalizability, and interpretability across varied datasets and scenarios. The aim is to advance understanding and promote practical deployment of these technologies.

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### Guest Editor

Dr. Carlos Delgado

Computer Science Department, University of Alcalá, 28801 Alcalá de Henares, Spain

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### Deadline for manuscript submissions

20 April 2026



## Applied Sciences

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## 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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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