

Special Issue

Speech Recognition and Machine Learning: Current Trends and Future

Message from the Guest Editors

Automatic speech recognition (ASR) can provide effective communications in global business activities. Deep neural networks (DNN) have made impressive progress in this. Many researchers regard it as a solved problem. However, the reality is not as optimistic as some big companies advertise. For example, the services of ASR for low-resource languages, which more than 50% of the global population speaks, fall behind. On the other hand, the progress of natural language processing (NLP) and computational vision (CV) shows promising directions in the future, such as the self-training models. Inspired by these techniques, novel algorithms are proposed to solve the complicated problems occurring in the real world. These applications and algorithms deeply reshape our way of human-computer interactions. This Special Issue aims to follow these influential trends. Papers that address innovative applications and algorithms related to next-general speech and language processing are all welcome for this issue.

Guest Editors

Dr. Sheng Li

Dr. Yi Zhao

Dr. Cunhang Fan

Deadline for manuscript submissions

closed (15 December 2023)



Big Data and Cognitive Computing

an Open Access Journal
by MDPI

Impact Factor 4.4
CiteScore 9.8



mdpi.com/si/147972

Big Data and Cognitive Computing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
bdcc@mdpi.com

mdpi.com/journal/

BDCC





Big Data and Cognitive Computing

an Open Access Journal
by MDPI

Impact Factor 4.4
CiteScore 9.8



[mdpi.com/journal/
BDC](https://mdpi.com/journal/BDC)



About the Journal

Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDC) is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

Editor-in-Chief

Prof. Dr. Min Chen

School of Computer Science and Engineering, South China University of Technology, Guangzhou 510641, China

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), dblp, Inspec, Ei Compendex, and other databases.

Journal Rank:

JCR - Q1 (Computer Science, Theory and Methods) /
CiteScore - Q1 (Computer Science Applications)