Special Issue

Cross Modality Deep Learning and Knowledge Representation

Message from the Guest Editors

Over the last decade, the amounts of different types of media data, such as texts, images and videos, have rapidly increased on the Internet. It is common for different types of data to be used to describe the same events or topics. Many studies have applied deep learning techniques for multi-modal data. Deep learning techniques often require a huge volume of data, from which hidden knowledge can be extracted. The challenge is that, although most deep learning approaches have excellent performance, the result might not be understandable by humans and thus might be difficult to apply in practice. Cross modality deep learning and knowledge representation refers to any kind of learning that involves information obtained from more than one modality, aiming to bring together quantitative, innovative research that focuses on modeling knowledge through deep learning networks on multi-modal data to reveal the inner regularity and representation level of multi-modal knowledge representation. In this Special Issue, authors are invited to submit manuscripts on any topic of cross modality deep learning, knowledge representation, and related applications.

Guest Editors

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Deadline for manuscript submissions

closed (26 November 2023)

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About the Journal

Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDCC) 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.

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