



Cross Modality Deep Learning and Knowledge Representation

Guest Editors:

Prof. Dr. Shichao Zhang

Computer School, Central South
University, Changsha 410083,
China

Dr. Jinjing Shi

School of Computer Science and
Engineering, Central South
University, Changsha 410082,
China

Dr. Chengyuan Zhang

College of Computer Science and
Electronic Engineering, Hunan
University, Changsha 410082,
China

Deadline for manuscript
submissions:

closed (26 November 2023)

Message from the Guest Editors

Dear Colleagues,

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.

