Special Issue

Artificial Cognition for Human-Robot Interaction

Message from the Guest Editors

Artificial cognition plays an important role in making human–robot interactions coherent, from the data collected in a complex environment to interacting with users to successfully complete a task. Thus, while designing robotic/computer systems, the level of human cognition and the mental model of the human should still be considered.

This Special Issue will focus on the development and application of artificial cognition technologies in the context of human–robot interactions. This could include artificial intelligence, machine learning, affective computing, and other cognitive computing techniques to enable robots to understand, learn from, and interact with humans in a more natural and intuitive way.

This Special Issue will bring together manuscripts from different application fields and focus on the development of artificial cognition technologies for human–robot interactions. The aim is to advance our understanding of how artificial cognition can be used to improve the effectiveness and acceptability of human–robot interactions in a variety of contexts and to identify key challenges and opportunities for further research in this field.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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