Special Issue

Data Science in Water Conservancy Engineering

Message from the Guest Editors

With the development of water conservancy engineering and the construction of infrastructure, water resources are properly managed and protected, contributing to the economic growth. It is noted that the social progress has exposed the drawbacks of current water conservancy engineering, and the management efficiency of water resources is low. The key reason lies in the lack of involving both expert experience and data intelligent to overcome the backwardness of current management technology. Therefore, water conservancy engineering needs intelligent management technology.

Combined with applied mathematics, statistics, pattern recognition, machine learning and other methods, data science can predict, interpret and make decisions on water conservancy data by studying the “data world”. In order to connect novel data science with water conservancy engineering, and stimulate the potential of data science in water conservancy, this research welcomes researchers and practitioners from academia and industry to explore more new applications and technological innovations.

Guest Editors

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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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