

Special Issue

Application of Artificial Intelligence in Hydraulic Engineering

Message from the Guest Editors

The intelligent algorithm has become an important research method to solve critical scientific problems in the engineering field. It has been widely used in the optimal design, structural simulation, safety monitoring and safety evaluation of water conservancy projects due to its advantages in regression, classification, clustering and dimension reduction. Experiments and numerical simulations are faced with constraints of time and cost in traditional research methods. With the advancement of sensors and measurement technology, a large amount of safety-monitoring data has been accumulated in water-conservancy projects. Intelligent algorithms have become a powerful tool for monitoring data, mining information and constructing data associations quickly and accurately. Combined with traditional computing techniques such as geotechnical tests, non-destructive testing and numerical simulation, intelligent algorithms will help us further understand various laws and mechanisms in water-conservancy projects[...] For further reading, please follow the link to the Special Issue Website at:
www.mdpi.com/journal/water/special_issues/1S1E74L2LE

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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