

Special Issue

Advances in Water Distribution System: Design, Optimization and Application

Message from the Guest Editor

Water distribution systems (WDSs) are the most essential part of the public infrastructure and face multiple challenges relating to future uncertainties in providing more sustainable and resilient service. Considering the large scale and complexity of WDSs, water behavior prediction through accurate computer modeling and analysis is essential and predicted results should be reflected in planning, design and operation. Especially, the recent optimal design of WDSs should consider system factors such as economic value, resilience in abnormal situations and robustness of supply, and environmental factors such as carbon emission and water quality simultaneously to increase user satisfaction. The goal of this Special Issue is to concentrate on water distribution systems design and application via optimization approaches or artificial intelligent techniques.

Guest Editor

Prof. Dr. Young Hwan Choi

The Department of Civil and Infrastructure Engineering, Gyeongsang National University, Jingu, Gyeongsangnam-do 52725, Korea

Deadline for manuscript submissions

closed (10 September 2023)



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.5



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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls-ci@mdpi.com

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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