

Special Issue

Smart Technologies for Urban Water Systems

Message from the Guest Editors

Thanks to the widespread implementation of digital information and communication technology (ICT), our cities are progressively turning into “Smart Cities”. Among the various fields of application, ICT can be successfully implemented to improve monitoring, control and management of urban water systems, namely water distribution and drainage networks. The application of ICT enables constructing a digital twin capable of following the operation of the original system in real time. This yields significant benefits in ordinary operational scenarios for various purposes, including management of:

- demand, service pressure, leakage and pumping systems in water distribution networks;
- pollutants and combined sewer overflows in urban drainage networks;

As the digital transition is in progress, increasingly modern and sophisticated algorithms, devices and technologies are being developed and deserve to receive the attention of the scientific audience of the journal “Water”, in the context of the present Special Issue.

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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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