

Special Issue

Smart Water Management and Flood Mitigation

Message from the Guest Editors

We are seeking papers that tackle the issue of flood mitigation in open-channel systems, and which deal with runoff forecasts, use of DT as simulation tools, and optimal and predictive control strategies (possibly dealing with uncertainty) for sustainable water resource management. Submissions addressing any of these topics or connecting different approaches using a conceptual framework are encouraged.

Keywords

- Large-scale complex systems – open-channel systems
- Water management – flood mitigation
- Predictive Modeling – rainfall/runoff models, identification, Bayesian models
- Model predictive and optimization-based control – decentralized and distributed control, data-based control, intelligent decision support systems
- Computational intelligence in control – reinforcement learning, stochastic
- Digital implementation – digital twin, simulation

Guest Editors

Prof. Dr. Eric Duviella

Institut Mines Telecom Lille Douai 941, rue Charles Bourseul, 59508 Douai, France

Dr. Pablo Segovia

Department of Maritime and Transport Technology, Faculty of Mechanical, Maritime and Materials Engineering, Delft University of Technology, 2628CD Delft, The Netherlands

Deadline for manuscript submissions

closed (9 June 2022)



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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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

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR
CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique
(CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane,
Toulouse, France

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