Special Issue

Cyber-Physical Security for the Water Sector

Message from the Guest Editors

The water sector is faced with multiple technical, organizational and external challenges hard to handle with traditional approaches and therefore calling for speedig up the process of digitalization. The technological advances could put the sector at higher risk, if the process of digitalization does not integrate security into solutions, with systematic management of risks covering both cyber and physical threats and their combination. The aim of this Special Issue is to collect contributions addressing different aspects of protecting critical water infrastructure against deliberate and accidental threats.Topics of interest include, but are not limited to:

- AI, machine learning for predictive security of critical infrastructures
- Integrated (cyber & physical) security modelling and decision making
- Collaborative risk assessment/mitigation in supply chains
- Confronting complex threats and their cascading effects
- Adaptive anomaly detection
- Risk Assessment and Management, including threat assessment and foresight
- Identification, assessment, and mitigation of cyber-physical threats
- Automation for detection, prevention, and mitigation measures

Guest Editors

Dr. Rita Maria Ugarelli
SINTEF Community, 0314 Oslo, Norway

Prof. Dr. Christos Makropoulos
Department of Water Resources and Environmental Engineering, National Technical University of Athens, Athens, Greece

Deadline for manuscript submissions

closed (31 January 2024)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/180297

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

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

MDPI