



World Environmental & Water Resources Congress

Henderson, Nevada | May 17–21, 2020

As part of the 2020 World Environmental & Water Resources Congress, the EWRI-ASCE Task Committee on *Cyber Physical Security of Water Distribution Systems* is organizing the following track on:

Cyber-physical Security of Urban Water Infrastructure

Description: The continuous modernization of critical infrastructure relies on the integration of physical processes and assets with networked devices that monitor and control the operations of the entire system. While digitalization significantly improves the automation and performance of urban water infrastructure, it also exposes it to cyber threats—as demonstrated by the recent, sharp increase in the number of attacks to water utilities. This session invites talks on topics broadly related to cyber-physical security of urban water infrastructure. The focus may be on investigating the vulnerability and resilience of such infrastructure to cyber-attacks, understanding possible threats to water IoT solutions, modeling contamination events and water quality issues caused by cyber-attacks, developing attack detection and control algorithms, designing strategies to increase the security levels, and informing decision-makers about risks and challenges. Studies based on actual historical incidents are also welcome.

The Abstract deadline is **September 4th, 2019**. Submittal guidelines are available [here](#). The Final Paper deadline is **December 28th, 2019**. Papers submitted by the deadline will be peer reviewed and accepted papers will be published in the conference proceedings. Additional information about the Congress can be found at the event webpage: <https://www.ewricongress.org/>. In addition to a broad spectrum of environmental & water resources topics, the EWRI Congress will feature workshops and panel discussions organized by academic and industry leaders.

We warmly invite academics and professionals working on the security of urban water systems to submit their abstracts for a poster, a paper or an oral presentation. Please consider attending even without a submission as the track aims at showcasing the latest developments of this emerging field. We also encourage you to kindly extend this invitation to colleagues who may be interested in participating.

Thanks for your interest. Please do not hesitate to contact us for any questions.

Riccardo Taormina, PhD
Chair, Cyber Physical Security of Water Distribution Systems Task Committee. Email: r.taormina@tudelft.nl

Mohsen Aghashahi, MSc.
Secretary, Cyber Physical Security of Water Distribution Systems Task Committee. Email: aghashahi@tamu.edu