Special Issue

Next Generation Technologies toward Smarter/Intelligent Water Management and Disaster Risks Forecasting and Assessment Systems

Message from the Guest Editors

Climate change and the expected increasing pressure on water resources pose new challenges to the development of public policies and systems towards more resilient urban environments. Next-generation solutions for smarter water management systems need to cope with the protection of people in vulnerable situations. We invite contributions exploring and combining the complexity of existing and new effective tools and methods, sharing critical thinking approaches and applying knowledge towards the protection and mitigation of impacts from water-related disasters. Research areas may include (but are not limited to) the following:

- Water-related hazard risk assessment and mitigation;
- Machine learning pipelines applied to water-related disaster risk assessment;
- Low-impact development solutions;
- Artificial intelligence-based tools and solutions for water-related applications;
- Internet of Things (IoT) architectures for monitoring and managing water flows and public sewage systems;
- Deep learning exploitation for parameterizing hydrologic–hydraulic models.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

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Editor-in-Chief

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