Special Issue

Safety Risk Management of Hydraulic Engineering Operation

Message from the Guest Editors

With the development of modern information technology, intelligent construction has become an important approach for the delicacy management of hydraulic engineering projects. The continuous emergence of modern remote sensing and monitoring technologies, such as satellite remote sensing, aerial remote sensing, UAV tilt photography, intelligent sensors, and the Internet of Things, provides advanced sensing means for the dynamic online monitoring of river basins and hydraulic engineering projects, as well as a technical driving force for intelligent analysis and efficient decision making for their safe operation. Safety risk management of hydraulic engineering; Application of artificial intelligence method in hydraulic engineering risk management; Sustainable risk of hydraulic engineering; Risk management of hydraulic engineering based on remote sensing, intelligent sensors, Internet of Things, and digital twin.

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