



Intelligent Risk Identification and Management in Urban Built Environment

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Message from the Guest Editors

This Special Issue endeavors to delve into the most recent progress in geotechnical or geological risk analysis within the urban built environment. We cordially invite researchers and practitioners to submit their original research papers, theoretical and experimental works, case studies, or comprehensive review papers for potential publication in this special issue. This collective effort aims to enhance our comprehension of risk management in urban construction. Relevant topics, within the context of urban built environment, to this Special Issue include but are not limited to the following subjects:

- New approaches for risk identification and management
- Risk-based design/assessment of geo-structures
- Risk assessment of geological hazards
- Modelling of geological/geotechnical uncertainties
- Remote sensing and surface subsidence analysis





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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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