Special Issue

Engineering Safety Monitoring and Management

Message from the Guest Editors

Engineering safety monitoring throughout the whole life cycle of a construction project can effectively reduce the occurrence of safety accidents and avoid loss of life and property. Engineering safety involves many factors such as structures, materials, machinery, and personnel and requires monitoring and management of a wide range of difficult issues. In recent years, various intelligent monitoring techniques, such as artificial intelligence, have been widely used to promote the development of engineering safety monitoring and management. However, the organic integration of new technologies and engineering safety monitoring and management requires further research. This Special Issue on "Engineering Safety Monitoring and Management" aims to bring together cutting-edge research advances in engineering safety. We invite you to contribute original research articles or reviews related to the topic, including but not limited to structural health monitoring, structural condition assessment, material performance estimation, construction safety monitoring and management, etc. Moreover, advanced intelligent algorithms or sensing techniques are very welcome.

Guest Editors

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Dr. Sin Chi Kuok
Dr. Yang Zhang

Deadline for manuscript submissions

closed (30 September 2024)

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About the Journal

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.

Editor-in-Chief

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