

Special Issue

Maintenance and Rehabilitation of Constructed Infrastructure Facilities

Message from the Guest Editor

This special issue will be produced in conjunction with the second international conference on constructed infrastructure facilities (maireinfra2) in Honolulu, August 16–19, 2023 and click maireinfra2023.org for more information. In the challenging context of climate change, there is a critical need to incorporate resiliency and sustainability in constructing and rehabilitating buildings and infrastructures. Civil infrastructures should be designed with a focus on resilient building materials while emphasizing sustainability aspects of an automated construction, evaluation, and maintenance operations. Resilient and sustainable infrastructures will mitigate the impacts of climate changes on infrastructure performance. It is also essential to preserve the existing infrastructures by developing innovative asset management systems with artificial intelligence and big data analysis techniques. This Special Issue aims to publish high-quality research papers as well as state-of-the-art review articles that focus on resiliency and sustainability aspects in designing, building, and managing infrastructures.

Guest Editor

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