

Special Issue

Smart Infrastructure Prospects and Challenges

Message from the Guest Editors

The advancement of digital technologies, coupled with increasing demands for sustainability, resilience, and efficiency, has driven a profound transformation in how infrastructure is planned, built, operated, and decommissioned. In this context, the concept of Smart Infrastructure emerges as a fundamental pillar to support decision-making and the intelligent management of critical assets necessary for urban development. However, despite their great potential, the implementation of smart solutions still faces technical, economic, regulatory, and social challenges, which require interdisciplinary approaches and continuous innovation. This Special Issue aims to bring together high-quality scientific contributions that explore both technological advances and emerging challenges related to smart infrastructures. The edition seeks to promote the dissemination of theoretical, methodological, and applied research, as well as case studies and practical experiences, that contribute to advancing the state of the art on the subject. Contributions are welcome from academics, practitioners, and students from any discipline or country, and multidisciplinary contributions are encouraged.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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