



*buildings*



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## Managing Innovation and Innovation Risks in Construction Projects

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manuscript submissions:

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### Message from the Guest Editors

Dear Colleagues,

In the construction industry, it is of utmost importance to find and implement effective solutions for issues such as the disastrous environmental impact of construction, the current shortage of skilled labor and also the fast-changing consecutive market needs. Substantial innovations are needed, ranging from new building materials and components to complete new digitized industrialized ecosystems. Ideally, these innovations will not only contribute to shorter building times, lower failure costs or a higher building quality, but also to an appealing increase in the supply of sustainable and circular building concepts

As the magnitude of change and the complexity of an innovation project increase, so does the uncertainty on the future performance of the intended innovation and, consequently, the need to actively assess and manage the associated risks during its development, testing, realization and possible adoption and diffusion process.

The aim of the Special Issue is to consistently extend the concepts and theories regarding innovation and innovation risk management in construction and civil engineering projects. We expect research and methodologies consistent with the highest standards. These may include qualitative, quantitative and mixed method approaches. Contributions should highlight the key role of innovation and innovation risk management in construction and their implications for practice. We also welcome research articles bridging the gap between theoretical conceptions and practical insights.



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# Special Issue



## Editor-in-Chief

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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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