



Innovative Materials and Structural Optimization for Resilient Infrastructure

Guest Editor:

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submissions:

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Message from the Guest Editor

Dear Colleagues,

Major natural hazard events around the world, along with the aging and deterioration of infrastructures, keep increasing the need for the development of innovative materials and the optimization of structures for improved infrastructure resiliency. Innovative materials, alongside structural optimization, is an area that has seen major developments due to the availability of robust numerical simulation frameworks, large experimental facilities, development of advanced materials and construction techniques, optimization frameworks and tools. Also, there are many challenges that have yet to be addressed.

This Special Issue invites papers presenting numerical and/or experimental research on innovative materials and structural optimization for resilient buildings and bridges. The purpose of this Special Issue is to promote a wider use of advanced materials and optimization technologies in the design industry and to improve the resilience of our infrastructures. The main goal of this issue is to generate a forum for the current state of knowledge, as well as future research directions, in the overall area of innovative materials and structural optimization.





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