

Special Issue

Explosion Effects in the Built Environment

Message from the Guest Editor

Over the last two decades, highly publicised disasters caused by explosions have become an all too frequent occurrence. The threat to the built environment and human life from explosions is an unfortunate aspect of modern life.

This Special Issue aims to focus on the effects of explosions, covering the event chain from detonation to downstream harm in the built environment. How is the explosion output influenced by the built environment in which it occurs? What are the effects on people, equipment, buildings and infrastructure in the vicinity of the explosion? How can we predict these effects and mitigate them? What are the consequences for the systems that underpin society such as communications, emergency response, health and the environment?

Reviews, original research articles, communications, and concept papers that are relevant to the topic will be accepted. It is my great pleasure to invite you to submit a manuscript for this Special Issue.

Keywords:

blast; explosions; blast injury;
structural response; blast protection;
urban blast effects; explosion modelling;
systems approaches; blast resilience

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2023)



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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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