

Special Issue

City Resilience to Windstorm Hazard

Message from the Guest Editors

This Special Issue aims to address two essential requirements for establishing windstorm-resilient cities:

(i) The safety and serviceability improvements of critical structures, i.e., the structures that provide vital public needs and/or may cause catastrophic damage upon structural failure. (ii) The implementation of a comprehensive disaster management system, which mitigates the risk and promotes rapid recovery from damage. We sincerely invite researchers to publish original and review papers related to city resilience to windstorms in the areas including, but not limited to: hazard evaluation, hazard mitigation strategies, wind characteristics, urban aerodynamics, wind-excited structural dynamic responses, serviceability and occupant comfort, structural safety and reliability assessment, and post-event damage analysis.

Keywords

- hazard evaluation
- hazard mitigation strategies
- wind characteristics
- urban aerodynamics
- wind-excited structural dynamic responses
- serviceability and occupant comfort
- structural safety and reliability assessment
- post-event damage analysis

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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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