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Structural Wind Engineering: Measurement, Simulation and Dynamic Analysis

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Message from the Guest Editors

With the rapid development of advanced material and construction technology, the new generation of buildings and other structures commonly feature large flexibility, light mass, and a low damping ratio, thereby making them typically wind-sensitive. In this regard, the innovations of structural wind engineering are required for the wind-resistant design of buildings and other structures under these strong wind events.

In this Special Issue, we invite the publication of original research and review papers in the following areas, but not limited to them:

- Wind tunnel tests;
- Full-scale measurements;
- Computational fluid dynamics (CFD)-based simulations;
- Wind-induced dynamic analyses for buildings and other structures;
- Design standards.



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Special Issue



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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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