Special Issue

Recent Advances in Wind Engineering: Innovative Methods and Technologies

Message from the Guest Editors

This Special Issue is devoted to the introduction and application of the latest knowledge and techniques in wind engineering. High-rise and long-span structures are usually vulnerable to strong winds. Wind-induced structural vibration, damage and even collapse have been extensively reported and have attracted wide-ranging attention from engineers and researchers. With the increase in population density in large cities and advancements in building construction achievements, the demand for super-high buildings, super-long-span bridges, large-expanse structures, etc., grows rapidly. Meanwhile, extreme wind events, e.g., tropical cyclones, tornados, storm surges, etc., have shown increasing trends in both occurrence frequency and intensity due to global climate change. These factors have brought new challenges to the wind-resistant design of buildings and structures in 21st century. This Special Issue calls for papers on recent advances in wind engineering. All wind engineering communities are welcome to contribute their innovative and latest research findings to this Special Issue.

Guest Editors

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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.

Editor-in-Chief

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