Special Issue

Wind Effects on Civil Infrastructure

Message from the Guest Editor

This Special Issue aims to compile the most advanced and novel approaches in the wind structural engineering field by covering topics related to the effects of wind on buildings and structures in the current critical civil infrastructure network that serves and affects large communities, i.e., bridges, energy transportation systems, industrial facilities, wind turbines, etc. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following themes related to wind effects on civil infrastructure: wind loads on buildings and other structures; computational wind engineering; codes and standards; wind tunnel testing; structural response to hurricanes, tornadoes, and downbursts; cladding systems; windborne debris effects; nonlinear wind-induced structural response; structural and non-structural damage and loss evaluation; performance-based wind engineering; risk evaluation; resilience-targeted analysis and design; vibration monitoring; response control to wind loads; smart structures; AI-based approaches in wind-related structural engineering; and building information modelling implementation.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Wind is an open access journal dedicated to disseminating rigorously peer-reviewed publications to advance knowledge and technology in wind research-related areas such as wind engineering, wind energy and wind environment. The journal brings new opportunities for actively disseminating fresh, innovative and multidisciplinary wind-related concepts and applications. It covers aspects related but not limited to meteorology; civil, mechanical, aeronautical and electrical engineering; risk analysis and economic, social and environmental impacts.

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Recognition of Reviewers:

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