applied sciences

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 5.5

Wind Resistance of Long-Span Bridges and High-Rise Buildings

Guest Editors:

Prof. Dr. Mingshui Li
Research Centre for Wind Engineering, Southwest Jiaotong University, Chengdu 610031, China

Prof. Dr. Xuanyi Zhou
Department of Bridge Engineering,Tongji University, Shanghai 200092, China

Prof. Dr. Shaopeng Li
School of Civil Engineering, Chongqing University, Chongqing, China

Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

Over the past few decades, extreme events—for example, synoptic and non-synoptic strong winds—have been responsible for a large amount of severe structural damage and economic loss in many parts of the world. The structures become more susceptible to the action of strong winds with an increase in the span or height of those flexible structures, such as long-span bridges and high-rise buildings. Therefore, it requires a refined wind-resistant design to ensure the safety of flexible structures. To improve the wind-resistant design, we need to clarify the effect of strong winds on the structures, including the flow–structure interaction, wind loading, wind-induced vibration, and efficient control strategy. This Special Issue aims to collect submissions on the recent numerical and experimental advances in the wind-resistant design of bridges and building structures.

applied sciences

IMPACT FACTOR 2.5

CITESCORE 5.5

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
𝕏@Applsci