



Advances in Wind Engineering for Sustainable Structure

Guest Editors:

Dr. Guohui Shen

College of Civil Engineering and
Architecture, Zhejiang University,
Hangzhou 310058, China

Prof. Dr. Shouying Li

College of Civil Engineering,
Hunan University, Changshang
410082, China

Dr. Jianfeng Yao

College of Civil Engineering and
Architecture, Zhejiang University
of Water Resources and Electric
Power, Hangzhou 310018, China

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Message from the Guest Editors

In recent years, human activities have brought more frequent and stronger extreme weather conditions. Due to climate change, wind-induced disasters have raged all over the world, and many structures have been damaged, especially wind-sensitive structures, such as high-rise and long-span structures. However, with economic development, the human demand for wind-sensitive structures has grown rapidly, which necessitates higher requirements for the sustainable development of construction.

At present, the research on complex wind fields and wind-induced responses is not deep or accurate enough, and thus research on wind fields and wind action on structures are necessary for the sustainable development of infrastructure.

Taking into account these premises, this Special Issue aims to present original research articles and reviews on advances in wind engineering for sustainable structures. Potential topics include, but are not limited to, the following: Aerodynamics—including buildings, bridges, cables, vehicles, and sports; Field measurement and wind tunnel techniques; Wind loads on structures; Wind–structure interaction.





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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

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Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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