# Special Issue

# Structural Wind Engineering

### Message from the Guest Editor

Wind-structure interaction is a hot topic in the field of civil engineering. This, along with the effects of climate change, has stimulated designers' interest in lightweight structures. Open spaces, large spans and new materials necessitate a light structure sensitive to wind and its dynamics. However, few software programs permit the calculation of the wind-structure interaction through dynamic and geometrical nonlinear analyses. Thus, researchers and designers have computed subroutines and analytical models to investigate this relationship. In addition, determining wind-structure interaction requires experimental tests in wind tunnels or fluid dynamic simulations to estimate loads and predict wind streamlines. However, as these methods are time-consuming and require complex calculation, few have taken this approach. Papers on large-span roofs, bridges, high-rise buildings, nonstructural elements, comfort analyses, code update proposals and analytical models are welcome in this Special Issue, Structural Wind Engineering.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 November 2023)

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## Editor-in-Chief

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