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## **New Challenges in Bridge Wind Engineering**

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Deadline for manuscript submissions:

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## **Message from the Guest Editors**

Bridge wind engineering aims to study the static effects and dynamic response of bridges that may occur in various wind environments, to provide solutions for the design, construction, and maintenance of bridge structures and to provide for the service throughout their life cycle.

The dynamic response of large span flexible bridges and flexible members in bridges under wind loads is significant and needs to be focused on the study of wind resistance performance. The content includes the characteristics of natural wind; wind load distribution law of large-span bridges; the response of bridge structures under wind load; the mechanism and characteristics of different types of wind-induced vibration, such as vortex vibration, fluttering, buffeting, and rain-wind induced vibration; control methods of wind-induced vibration, including structural measures, mechanical measures, aerodynamic measures, etc.; the influence of extreme wind environments on bridge theoretical field structure. etc. With analysis, measurements, wind tunnel experiments, and numerical simulations, some new breakthroughs have been achieved.











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### **Editor-in-Chief**

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## **Message from the Editor-in-Chief**

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