Computational Methods in Wind Engineering

Guest Editor:

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Deadline for manuscript submissions:
closed (20 December 2018)

Message from the Guest Editor

Dear Colleagues,

Wind engineering is a truly interdisciplinary area encompassing many branches, such as meteorology, geographic information systems, fluid dynamics, structural dynamics, urban planning, energy and environment, as well as probability and statistics. Wind loads on structures (buildings, towers, bridges), pedestrian comfort, city ventilation, wind effects on ventilation in buildings and vehicles, pollution dispersion in urban areas, as well as wind energy harvesting, have been typical focal areas in wind engineering.

In wind engineering, the impact of computational methods is rapidly increasing. Concerning computational aspects, wind engineering embodies a series of specific challenges including the availability of suitable validation data, definition of boundaries and boundary conditions, scale disparities, as well as fluid-structure interaction.

Both original research and review papers are invited.

Prof. Dr.-Ing. habil. Ali Cemal Benim
Guest Editor

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SpecialIssue

Editor-in-Chief

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Message from the Editor-in-Chief

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