Special Issue

Computational Methods in Wind Engineering

Message from the Guest Editor

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.

Guest Editor

Prof. Dr. Ali Cemal Benim

Center of Flow Simulation (CFS), Department of Mechanical and Process Engineering, Duesseldorf University of Applied Sciences, D-40476 Duesseldorf, Germany

Deadline for manuscript submissions

closed (20 December 2018)

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Computation
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
computation@mdpi.com

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Editor-in-Chief

Prof. Dr. Ali Cemal Benim
Center of Flow Simulation (CFS), Department of Mechanical and Process Engineering, Duesseldorf University of Applied Sciences, D-40476 Duesseldorf, Germany

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