

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)



Computation

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



mdpi.com/si/8949

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

[mdpi.com/journal/
computation](https://mdpi.com/journal/computation)





Computation

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



[mdpi.com/journal/
computation](https://mdpi.com/journal/computation)



About the Journal

Message from the Editor-in-Chief

You are invited to submit the results of your research for consideration and publication in *Computation*, an international open access journal, which is published monthly online by MDPI.

The editorial board and staff of *Computation* are dedicated to establishing a benchmark journal for the world scientific and engineering communities for original research articles, reviews, conference proceedings (i.e., peer reviewed full articles), and communications, in the cutting-edge areas of computational biology, computational chemistry, and computation in engineering.

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

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), CAPus / SciFinder, Inspec, dblp, and other databases.

Journal Rank:

JCR - Q2 (Mathematics, Interdisciplinary Applications) /
CiteScore - Q2 (Applied Mathematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.6 days after submission; acceptance to publication is undertaken in 4.2 days (median values for papers published in this journal in the second half of 2024).