



Aeroelasticity: Recent Advances and Challenges

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Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editors

Dear Colleagues,

Aeroelasticity is the branch of physics studying the interactions between the inertial, elastic, and aerodynamic forces when an elastic structure is subjected to air flow. It has been widely observed in the aerospace industry, such as in flutter, wing divergence, or buffet. Recently, interesting phenomena have been observed as new technologies are introduced, including aerodynamic and/or aerodynamic nonlinearity, thermal effects, control architecture, etc. This Special Issue is targeting the current fundamental research efforts related to aeroelasticity over a broad range of topics in aerospace applications.

Manuscripts are expected to describe computational, experimental, and/or theoretical research related to aeroelasticity with a focus on fundamental studies. Publications related to a specific application are relevant to this Special Issue's scope as well. Submissions may also include ongoing projects and investigations addressing other relevant fields, such as wind engineering, fluid–structure interactions, structural dynamics, or MDO of an aircraft structure.





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Message from the Editor-in-Chief

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