Special Issue

Gust Influences on Aerospace

Message from the Guest Editors

An important prerequisite for the design, assessment and certification of aircraft and their associated control systems is the quantitative specification of the environment in which the aircraft is intended to operate, for example, atmospheric wind gust. Wind gust is a common atmospheric turbulence in nature; however, it has very complex physical characteristics, including its scale, velocity profile, and power spectral density. Thus, it can affect both the natural atmosphere and human activities through a variety of perspectives. This Special Issue aims to form a comprehensive collection of essays regarding wind gusts in aerospace, including but not limited to gust properties, gust research methods, atmospheric influences, aerodynamic and aeroelastic responses of aircraft and engine, aircraft design considerations, gust alleviation measures, etc. Submissions are encouraged from all researchers engaged in aircraft gust aerodynamics and aeroelastics.

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Deadline for manuscript submissions

closed (30 June 2024)

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/si/172797

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You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.
Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

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