



Aircraft Modeling and Simulation

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Deadline for manuscript
submissions:
closed (28 February 2021)

Message from the Guest Editors

New airplane and unmanned aerial system modeling, simulation, and design technologies are very important in Aerospace Engineering. The best methodologies should be selected in order to avoid the use of a high number of expensive experimental data. These methodologies should be applied to an aircraft in order to validate its safety, with the aim of certifying it for production. Experimental data are usually provided by use of wind tunnel and flight tests.

This Special Issue serves the need to promote research and development on aircraft modeling and simulation technologies while addressing their validation with a minimum number of experimental data. Contributions are sought in disciplines related to green aircraft technologies research and development (including morphing aspects), such as aerodynamics, aeroelasticity, and active controls, and the interactions of such disciplines. Another topic might be flight trajectory optimization for “green” aircraft, which would involve minimum fuel consumption requirements.

Finally, we invite contributions on topics that include, but are not limited to, various state-of-the-art aircraft modeling and simulation technologies.





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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