Special Issue

Aero-Engine Manufacturing Technology

Message from the Guest Editor

This Special Issue focuses on the skills required for “Aero-engine Manufacturing Technology”, including modeling, analysis, and design methodologies. The articles will cover approaches and examples that can be applied to commercial aircraft, unmanned aerial vehicles, missiles, and spacecraft. design 4D flight guidance systems, optimize an aircraft's trajectory, optimize atmospheric reentry trajectories for space shuttles, and design flight controllers to drive aerospace vehicles along specified optimal trajectories Aircraft, launch vehicles, and spacecraft are all part of the aerospace industry. Their design and manufacture require a precise theoretical and experimental understanding of a wide range of events, as well as performance forecasts for a wide range of complex systems. Thanks to the use of computing hardware and advanced software libraries, optimization technology has become practical for the control of both aeronautical and space vehicles. Researchers are encouraged to publish their results in a broad range of topics, resulting from their recent theoretical and experimental developments.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2023)

Aerospace

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Impact Factor 2.2
CiteScore 4.0

mdpi.com/si/127769

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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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