

Special Issue

Hybrid Engines and Propulsion: Latest Advances and Prospects

Message from the Guest Editors

Considering the ambitious goals for environmentally responsible and sustainable transportation, electrification offers promising solutions to reducing dependence on fossil fuels and optimising the energy consumption of future aircraft. However, achieving fully electric propulsion requires significant advancements in energy storage technologies, which are unlikely to occur within the next 2-3 decades. In the interim, hybrid solutions are viewed as an intermediate step. In this context, this Special Issue, entitled "Hybrid Engines and Propulsion: Latest Advances and Prospects" focuses on exploring concepts, technologies, and the synergies inherent in innovative hybrid propulsion architectures. The scope of this Special Issue includes, but is not limited to, the following topics:

- Hybrid propulsion system architectures;
- Novel hybrid cycles and engine configurations;
- Propulsion electric machines and power electronics;
- Electric power distribution and protections;
- Fuel cell systems;
- Energy storage;
- Energy management strategy;
- Thermal management system;
- Propulsion system modelling and simulation.

Guest Editors

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Deadline for manuscript submissions

closed (30 May 2024)



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About the Journal

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.

Editor-in-Chief

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