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Advanced Aircraft Technology

Guest Editor:

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Deadline for manuscript submissions:
closed (31 March 2024)

Message from the Guest Editor

Since the successful flight of the airplane invented by the Wright Brothers in 1903, the development of aeronautic science and technology has greatly improved the flight performance of the airplane, making aircraft an indispensable and important tool in today's society. At present, requirements such as carbon reduction and affordability have brought new challenges to current and future aircraft design. Under the premise of ensuring flight safety, the attributes of aircraft such as environmental friendliness, economy, and survivability have received widespread attention. The Special Issue will focus on the perspective of aircraft design and welcomes papers addressing the following topics:

1. Multidisciplinary design optimization considering the coupling effect between aircraft disciplines
2. Green energy aircraft powered by clean energy such as hydrogen energy and solar energy
3. Distributed electric propulsion aircraft technology with the main goal of improving aerodynamic efficiency
4. New-concept aerodynamic configuration aircraft and its feasibility demonstration and analysis
5. Aircraft survivability enhancement technologies that reduce aircraft susceptibility and vulnerability

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Message from the Editor-in-Chief

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