

Special Issue

Aircraft Conceptual Design: Tools, Processes and Examples

Message from the Guest Editor

We seek technical papers related to the conceptual design of atmospheric flight vehicles including fixed- and rotary-wing vehicles, vehicles capable of subsonic through to hypersonic speeds, micro air vehicles and very large aircraft, general aviation vehicles, urban/on-demand mobility vehicles, and manned or unmanned aircraft. Because aircraft operators have renewed their interest in unconventional missions, which employ strategies that range from global-range high-speed cruising to zero-runway-length urban-based movement, the community focused on the technological aspects of aircraft has made significant progress in almost all traditional core aspects of aircraft: avionics (autonomy, sensors, and controls); materials and processes (manufacturing, compositions, and high-temperature materials); aerodynamics (flow control); and propulsion (alternative fuels, cycles, and electrification).

- Aerodynamic forces and moments;
- Predictive methods used for aircraft weight and mass properties;
- External vehicle geometry and layout;

Guest Editor

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About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

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