

Special Issue

Aerospace System Design

Message from the Guest Editor

Aerospace systems are complex and highly integrated systems that require multidisciplinary design methodologies. Conflicting requirements need to be managed and balanced to optimize the design both at system and at subsystem level, considering that mutual relationships between specific technical disciplines are crucial to reach successful aerospace products. Aerospace systems range from subsonic, supersonic, and hypersonic aircraft to access to space systems, satellites, and space exploration systems. Within this wide spectrum of highly sophisticated vehicles, new requirements become fundamental for future missions: environmental sustainability, reusability, flexibility, and affordability are the first examples of new constraints that designers shall comply with. How will future designs satisfy new requirements? What will be the impact of new requirements onto vehicles configurations, technologies, missions, and costs? How will design methodologies change to better represent new requirements?

Guest Editor

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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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