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Advances in Aerospace Technologies

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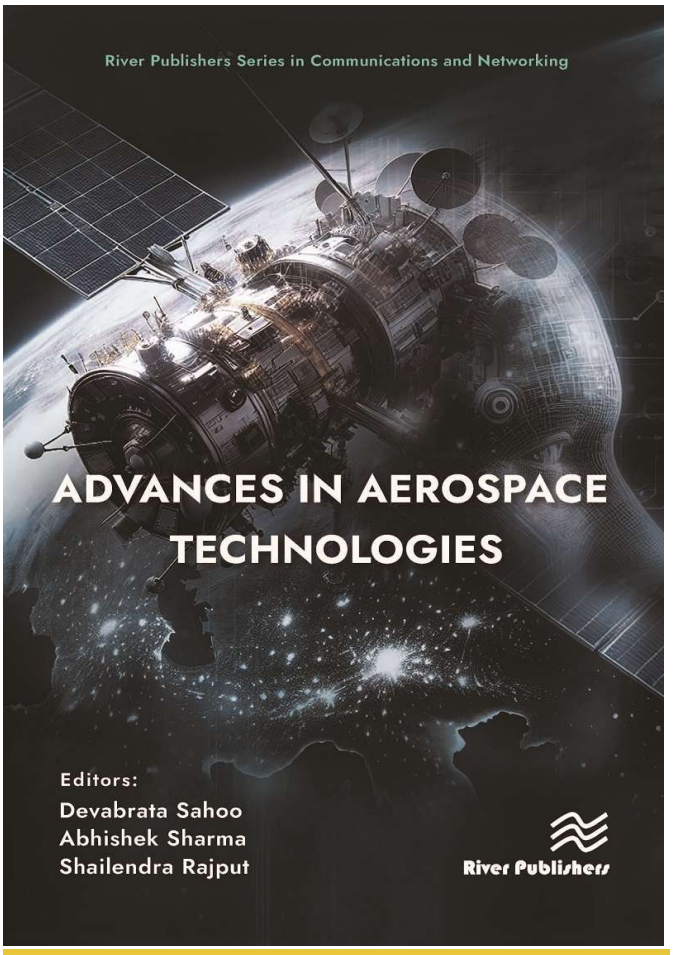
Shailendra Rajput, Xi'an International University, China

This book features the recent technological advances made in the broad domain of aerospace engineering. Aerospace engineering covers a wide range of areas on which research is being done, including subsonic aerodynamics, high speed aerodynamics, unsteady aerodynamics, wind tunnel testing, computational fluid dynamics, and more.

The authors also review recent technological advancements done in aerospace engineering and provide information about all the important domains and problems of interest in the field. The various important problem areas covered within the book include satellites, supersonic/hypersonic inlets, advanced composite structures, spiked bodies, delta wings, green propellant, satellite designing, satellite trajectory control, industry 4.0 in aerospace etc. In addition, the advancements done in the areas of introducing artificial intelligence in to the aerospace domain is also covered.

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KEYWORDS:
Satellite, delta wings, supersonic inlets, green propellants, Industry 4.0, artificial intelligence

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