

Special Issue

Control of Hypersonic Morphing Flight Vehicles

Message from the Guest Editor

Morphing aircraft can rapidly alter their aerodynamic configuration, flight trajectory, and attack methods, making them one of the key directions for the innovative development of future-generation aircraft. They have the potential to reshape operational patterns of future warfare and establish a new paradigm for the intelligent application of morphing aircraft. Compared with traditional aircraft, morphing aircraft can adjust their structural configuration and flight state according to their environmental conditions, mission status, and operational objectives, thereby providing superior aerodynamic performance and manoeuvrability and significantly enhancing the aircraft's mission adaptability. This has attracted widespread attention from scholars and research institutions worldwide, establishing morphing aircraft as a cutting-edge research focus in advanced aircraft control technology. To facilitate the exchange the latest research in advanced guidance and control for morphing aircraft, the editors of this Special Issue invite submissions addressing the challenges of guidance and control in these systems.

Guest Editor

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