

Special Issue

Advanced GNC Solutions for VTOL Systems

Message from the Guest Editors

In an era of growing public interest in utilizing airspace and energy resources in an efficient and socially responsible manner, vertical take-off and landing (VTOL) systems are emerging as a viable solution for next-generation aerial transportation. With an eye towards propelling the advanced air mobility, visionary innovations in VTOL systems, such as novel hybrid configurations and highly distributed electric propulsion systems, are becoming a reality and standards are rapidly being iterated and refined by authorities. Such advances have resulted in an unprecedented need for new guidance, navigation, and control (GNC) technologies to address issues arising in the development, experiment, and operation of VTOL systems. These GNC solutions aim to address the lack of confidence in flight safety and other operational aspects. Therefore, we are pleased to announce this Special Issue dedicated to state-of-the-art GNC solutions for VTOL systems. Papers addressing real-world operational problems are especially welcome. We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

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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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