



Aircraft Dynamics & Control

Guest Editor:

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Deadline for manuscript submissions:

closed (31 January 2018)

Message from the Guest Editor

The nonlinear interactions in proximity operation of two aircrafts, carrier deck landing in high sea states call for a different approach and need non-classical treatment of the dynamics and control problems. Better modeling of aerodynamic coupling and the nonlinear effects will enhance our understanding of the flight dynamics, which, in turn, enables the engineer and the practitioner to devise suitable control laws.

This issue invites papers that address the areas of flight dynamics and control of atmospheric flight vehicles (mostly fixed-wing aircraft and rotorcraft). Of interest are papers that address nonlinear regimes of flight, analysis and recovery from departure modes, dynamics of non-traditional aircraft, rotorcraft, guidance, navigation, and control, use of computational tools for real-time flight control synthesis, performance optimization, control allocation and reconfiguration, inflight stall margin predictions, certifiable non-linear control algorithms.





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Editor-in-Chief

Prof. Dr. Konstantinos Kontis

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Message from the Editor-in-Chief

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