

Special Issue

Flight Dynamics, Control & Simulation

Message from the Guest Editors

The research in the field of transport aviation is constantly facing new complex and ambitious challenges. More and more, new aircraft concepts, new types of propulsion, novel techniques for aircraft control, and overall disruptive innovations are being studied, investigated, and developed. The study of flight dynamics has always been of particular relevance when it comes to investigating the behaviour of innovative transport aircraft, to assess their stability and controllability characteristics, and to evaluate their performance. This Special Issue aims to collect as broadly as possible the most up-to-date contributions regarding the application of flight dynamics models for the characterization of transport aircraft aeromechanic features. In particular, great emphasis is placed on the development and application of simulation models aimed at analysing the performance of aircraft with a high degree of innovation, whether in terms of architecture, systems, or propulsion.

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