Special Issue

Aircraft Operations and CNS/ATM

Message from the Guest Editor

Cruise flight typically represents the longest flight phase, where most of the on-board fuel is burnt, most of the pollutant gases are emitted in the atmosphere, and where contrail-induced cloudiness might occur. This Special Issue addresses a broad list of topics related to how cruise flight can be improved from a flight trajectory and air traffic management point of view. Papers related, but not limited to, the following topics are welcome:

- (Robust) cruise trajectory planning, optimization, prediction, synchronization, negotiation, guidance, and execution;
- Technological CNS enablers for improved cruise operations;
- En-route airspace management and air traffic control;
- En-route traffic flow management, trajectory options, and re-routing strategies;
- En-route separation and strategies to increase en-route capacity;
- Modelling and computation of gaseous emissions and climate impact due to cruise operations;
- Weather forecasting and weather-related products for cruise operations; and
- Modelling and computation of flight efficiency and airspace capacity performance indicators for cruise/en-route operations.

Guest Editor

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You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.
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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