



Analysis, Optimization, and Control of Air Traffic System

Guest Editors:

Dr. Weili Zeng

College of Civil Aviation, Nanjing
University of Aeronautics and
Astronautics, Nanjing 211106,
China

Prof. Dr. Huawei Wang

College of Civil Aviation, Nanjing
University of Aeronautics and
Astronautics, Nanjing 211106,
China

Deadline for manuscript
submissions:

closed (20 April 2023)

Message from the Guest Editors

Dear Colleagues,

Safety and efficiency are the two main goals of the modern civil aviation industry. To this end, the analysis, optimization, and control of air traffic systems are of critical importance to improve both the safety and efficiency of civil aviation. Large numbers of flight data are generated every day, in every aircraft and every airport, etc. Recent advances in data science and simulation modeling can potentially provide useful tools for future air traffic systems. By overcoming the shortcomings of traditional methodologies, big data mining will possibly handle the complexity and uncertainty of air traffic systems.

This Special Issue deals with data mining and modeling in the analysis, optimization, and control of air traffic systems. Development and demonstration of cutting-edge data mining methods are particularly welcomed, especially for the purpose of (but not limited to) trajectory, air traffic flow, accident sources, etc.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
X@Applsci