Air Traffic Management: Airport Operations

Guest Editors:

Dr. Marcella Samà
Engineering Department, Roma Tre University, Via della Vasca Navale n° 79, 00146 Roma, Italy

Dr. Zhouchun Huang
Nanjing University of Aeronautics and Astronautics, College of Economics and Management, Nanjing, Jiangsu, China

Dr. Alexei Sharpanskykh
Aerospace Engineering Department, Delft University of Technology, Kluyverweg 1, 2629 HS Delft, The Netherlands

Deadline for manuscript submissions:
closed (1 September 2021)

Message from the Guest Editors

The aim of this Special Issue is to gather meaningful contribution to the literature regarding the management and optimization of airports operations, with a particular focus in the use of operation research, Artificial Intelligence, data science, simulation and optimization techniques, both when considering a single airport but also in terms of cooperation among multiple ones. As such, this Special Issue covers topics including but not limited to the following:

- Airport efficiency
- Optimization of take-off and landing operation management
- Green operations
- Handling of uncertainty in airport operations
- Passenger connection management
- Disruption management both from airlines and air traffic control perspectives
- Gate assignment
- Taxing and ground operations and possible delay strategies
- Baggage and cargo management
- Check-in operations and crowd management
- Airlines hub-and-spoke networks
- Inter-modality passengers and cargo connectivity

Special Issue

Editor-in-Chief

Dr. Pedro Arias-Sánchez
Applied Geotechnologies Group, Department of Natural Resources and Environmental Engineering, School of Mining Engineering, University of Vigo, 36310 Vigo, Spain

Message from the Editor-in-Chief

You are invited to contribute a research article, review or short communication for consideration and publication in *Infrastructures* (ISSN 2412-3811). There is no restriction on the length of the papers. *Infrastructures* is published in open access format. The scientific community and general public have unlimited free access to the content as soon as it is published. *Infrastructures* is supported by the authors by the payment of article processing charges for accepted manuscripts. Please consider *Infrastructures* as an exceptional opportunity to publish your work.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, ESCI (Web of Science), Inspec, and other databases.
Journal Rank: JCR - Q2 (Construction and Building Technology) / CiteScore - Q1 (Building and Construction)

Contact Us