



Air Traffic Management: Airport Operations

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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





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Message from the Editor-in-Chief

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