



TMA and Apron Operations

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Message from the Guest Editors

The airspace environment around the airport consists of a complex design for arrival and departure traffic flows. Climbing and descending traffic have to be efficiently managed while complying with safety regulations and sequencing demands. Limited capacities and resources at air and ground determine the system design, which benefits from integrated synchronization and optimization of decent/landing, apron (taxi and gate), and departure/climbing operations. Improved awareness of stakeholders (air traffic control, airliners, airport, and ground handlers) will allow for an appropriate response to the variable traffic demand over the day of operations.

This Special Issue invites innovative and disruptive contributions that address models, methods, optimization approaches, as well as improved operational procedures or design challenges to be solved for both the terminal maneuvering area (TMA) and the airport apron, e.g., the following topics:





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Message from the Editor-in-Chief

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