



Sustainable Development of Airspace Systems

Guest Editors:

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Message from the Guest Editors

Dear Colleagues,

It is crucial to further promote further research on the green, safe, efficient, and sustainable aspects of airspace systems.

This Special Issue includes the following topics, but are not restricted to:

Deadline for manuscript
submissions:

closed (4 November 2023)

- **Airspace operation and new development modes**, including digital airspace, airspace flexible utilization, airspace cyber-physical system, trajectory-based operation, and artificial intelligence in airspace systems;
- **Airspace refined management**, including airspace capacity management, airspace flow management, airspace resource dynamic allocation management, low-altitude airspace sectorization, and urban low-altitude air route planning and design;
- **Sustainable airspace operation**, including low-altitude zero-emission transport, noise reduction flight procedure design, airspace pollutant emission assessment, energy-saving track optimization, and internet of aircrafts;
- **Airspace safety situational awareness**, including airspace operation conflict detection, airspace safety risk evolution, airspace safety situation monitoring, terminal area operation safety assessment, and mixed-operation airspace safety assessment.





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Editor-in-Chief

Prof. Dr. Marc A. Rosen

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Message from the Editor-in-Chief

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