# **Special Issue**

# Artificial Intelligence and Optimization in Aircraft Design and Unmanned Aerial Vehicles, 2nd Edition

## Message from the Guest Editor

Urban air mobility opens up the possibility of a new era for air travel. UAM has emerged as a safe and efficient air transportation system where every vehicle involved. from small package delivery drones to passenger aircraft, is operating above populated areas. However, along with these promising benefits, challenges also arise. In particular, we need to create complex coupled system-level designs, realize fast interactive decisionmaking, and maintain higher system reliability and robustness by incentivizing cutting-edge research. One of the main forces is artificial intelligence, which enables various design optimization architectures, realizes realtime decision-making via surrogate modeling, and considers uncertainty within design optimization. In line with the goal of the *Mathematics* journal, the aim of this Special Issue is to provide a platform for researchers to present their original research contributions.

## **Guest Editor**

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## Deadline for manuscript submissions

20 October 2025



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## Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

#### Editor-in-Chief

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