



## Flight Control

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### Message from the Guest Editors

Dear Colleagues,

Flight control systems play a crucial role in modern aircraft development as they allow us to perform intended tasks and can enhance aircraft capabilities. Their design requires a multidisciplinary approach that incorporates the mechanics of flight modeling, control theory, mathematical optimization, hydraulic and electrical systems analysis, aeronautical regulations, pilot presence, and many others. Integrating those components is a very challenging and time-consuming task. Flight control systems design is thus an evolving area undergoing constant development and innovative changes. This Special Issue aims to present the latest advances in flight control design, which includes (but is not limited to) the following areas:

- Adaptative control;
- Autonomous systems;
- Guidance, navigation, and control;
- Neural networks and machine learning;
- Flight dynamics;
- Flight testing;
- Pilot modelling and human–aircraft interaction;
- Reconfigurable and fault-tolerant control;
- Risk and safety management;
- System identification.



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Dr. Piotr Lichota

*Guest Editor*

# Special Issue



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## Message from the Editor-in-Chief

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