Aircraft Fault Detection

Guest Editor:

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Deadline for manuscript submissions:
closed (30 September 2021)

Message from the Guest Editor

This Special Issue on Aircraft Fault Detection aims at collecting the newest research and developments trends in the field of aircraft fault detection, which may include:

- The development of advanced linear and nonlinear model-based fault detection algorithms;
- The use of signal and knowledge-based methods based on, e.g., machine learning techniques;
- Active fault detection methods;
- The combination of fault detection together with fault-tolerant control in aviation systems;
- The validation of aircraft fault detection approaches in hardware-in-the-loop simulations or flight tests;
- The development of nonlinear simulators including realistic fault models,

Submissions combining classical methods from fault detection and diagnosis with new methods from artificial intelligence are strongly encouraged. The fusion of both ideas has the great potential to further improve the performance and reliability of detection algorithms and make flying safer than ever before.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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