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Sensors in Aircraft

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Deadline for manuscript submissions:

closed (20 September 2022)

Message from the Guest Editor

A modern aircraft is a complex technical object with many different sensors and measuring systems. On-board instruments, navigation, guidance and control systems, propulsion engines and fuel systems, hydraulic, as well as passenger safety systems operate based on data signals obtained using various sensors. Original contributions referring to the following topics are welcome:

- Physical sensors and sensor systems in aircraft navigation and on-board diagnostic systems;
- Instruments based on physical sensors;
- Sensors and instrumentation for the flight testing of aircrafts;
- Sensors in measurement technology for design, research and development, as well as production engineering of aircrafts;
- Smart sensors based on fuzzy logic and artificial intelligence methods and technology;
- Aircrafts sensors and sensing systems based on the Internet of Things;
- An aircraft as a sensor;
- Optical sensors for unmanned aerial vehicles;
- Sensors for monitoring the pilot's environment in aircraft, for example onboard electromagnetic field sensors;
- Other aspects of sensors and sensing technology for aircrafts and aerospace.



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Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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