

Topical Collection

Avionic Systems

Message from the Collection Editors

This Special Issue is aimed at the dissemination of research and engineering advances on avionic systems for CNS and GNC, including challenges and opportunities for current and future avionics for aeronautics and astronautics. Topics and areas of the Special Issue include but are not limited to:

- Application of Artificial Intelligence in avionic systems;
- Robotic avionics and autonomous avionics for air/space vehicles;
- Smart CNS avionics for airspace/space integration of unmanned systems;
- Connectivity and cybersecurity certification of avionic systems;
- Human–avionics collaboration for augmented intelligence;
- Distributed integrated modular avionics and future avionics architectures and networks;
- Reconfigurable GNS avionics for next generations of air/space transport;
- Intelligent satellite constellation and radar satellites;
- Avionics power management and distribution;
- Cyber-physical avionics systems.

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