Special Issue

Aircraft Electric Power System II: Motor Drive Design and Control

Message from the Guest Editors

This Special Issue presents the latest breakthroughs in electric drive technologies for aerospace electrification. Topics include high-power-density electric machine design, novel power electronics topologies, intelligent control algorithms, and holistic system integration methodologies. The collection aims to foster innovation in low-emission, high-reliability propulsion systems and to accelerate the aviation sector's transition toward a net-zero carbon future.

- aircraft electrification
- electric propulsion systems
- electrical machine
- motor drive
- wide-bandgap semiconductors
- high-power-density machines
- fault-tolerant design
- artificial intelligence
- intelligent motor control
- drive system integration

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