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New Insights into Aircraft Power Systems

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Message from the Guest Editors

Dear Colleagues,

The more/all electrical aircraft concept has fundamentally changed the architecture of onboard power system. To increase the efficiency and power density, high-performance power converters and electric machines have received increasing attention in recent years. Despite these advancements, the topology design and control of these devices still remains an open challenge to meeting the specialized demands of the aviation industry. Moreover, as various power sources and loads coexist, the coordination and energy management of onboard power system is also a crucial aspect to ensuring the overall energy conversion efficiency. This specialized issue seeks to share and spotlight recent research findings and practical applications in the field of aircraft power systems, addressing the needs of emerging applications. Authors interested in contributing to this endeavor are welcome to submit their original contributions, survey papers, or tutorials with the potential for publication.

Prof. Dr. Weilin Li

Dr. Yang Qi

Guest Editors



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Special Issue



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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