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Algorithms and Aircraft Electric Power Systems

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Message from the Guest Editor

Dear Colleagues,

Improvements in all areas of aviation are important to meet the ever-increasing demands on safety, ecology, and economics. As most of the industry, aviation is also moving towards a lower ecological footprint with increasing electrification of its systems and considerable improvements in state-of-the-art electrical systems. Efficient power generation and electric power utilization in aircraft can be achieved through the development of new electric systems and improvements in algorithms, which manage and control aircraft electrical systems. This is all materialized in the concept of more electric aircraft, where more and more power systems are being replaced by electrical ones. Development of more efficient algorithms implemented in digital aircraft systems as well as high integration with other aircraft systems aims to materialize this concept in production aircraft and move the boundaries of development of aviation transport. The Special Issue is dedicated to present advancements in algorithms used in digital aircraft power and electric systems as well as developments in their architecture and hardware.



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Special Issue



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Message from the Editor-in-Chief

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