Special Issue

Aerospace Human–Machine and Environmental Control Engineering

Message from the Guest Editors

Currently, human–machine–environment system engineering is considered the most important field in aerospace system engineering, and its aim is to promote and optimize aerospace engineering design to ensure safety, efficiency, and economy. Aerospace human–machine and environmental control engineering mainly focuses on the relationship between human, machines and the environment, and studies the optimization combination of human–machine and environmental systems. Environmental control engineering and human–machine engineering are considered the two most important fields in the engineering of human–machine environmental systems. Aerospace environmental control includes aerospace thermal management and cabin environmental control. Its aims to meet the environmental parameter requirements of different flight stages of aerospace vehicles, dissipating the waste heat generated by the operation of aerospace equipment, and providing a suitable cabin environment for personnel. With the development of artificial intelligence, the field of aerospace human–machine engineering has exhibited new vitality.

Guest Editors

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Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

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