

Special Issue

Aircraft Thermal Management Technologies

Message from the Guest Editors

Aircraft thermal management technologies are critical to ensuring the reliable operation of modern aircraft systems, particularly as advancements in avionics, propulsion, and power systems have led to significant increases in heat generation. Effective thermal management is essential to maintaining optimal performance, ensuring safety, and extending the lifespan of various aircraft components. As aircraft designs become more complex and integrate advanced technologies, the need for sophisticated thermal management solutions has become increasingly important. The primary focus of this Special Issue is to share new cutting-edge research, progress, and insights in this prominent research area worldwide. Contributions are invited to address a wide range of applications, spanning topics including but not limited to the following:

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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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