

Special Issue

Multiphysics Design of Structural Components for Aerospace Applications

Message from the Guest Editors

This Special Issue is devoted to the study of numerical multiphysics analysis and the design of novel approaches able to minimize computation time while not losing accuracy. Particular emphasis can be given to the design of thrust chambers for liquid, hybrid, or solid rocket engines where a multiphysics approach is needed. In addition, works in which the physics involved in the problem are studied in the same numerical framework are welcome. Finally, numerical approaches to simplify the numerical model by means of surrogate and reduced-order models are strongly appreciated since they provide the possibility, for example, to minimize the weight of the component in a reasonable computation time.

Guest Editors

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Dr. Daniele Ricci

Dr. Francesco Battista

Deadline for manuscript submissions

closed (20 April 2025)



Applied Sciences

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CiteScore 5.5



mdpi.com/si/201316

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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.

Editor-in-Chief

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