

Special Issue

Aerothermodynamics and Propulsion of Flight Systems

Message from the Guest Editors

This topical collection features the most recent developments in the field of aerothermodynamics and propulsion of flight systems. Aerothermodynamics considers the analysis of flow field characteristics and interactions of the object in flight, encompassing all flow regimes. Propulsion covers all methods of propelling ballistic objects, launchers and space vehicles, including chemical, electric and advanced systems. We welcome original research papers, reviews, communications, short communications, code release papers, benchmarking studies, educational papers, and opinions. These will include analytical, theoretical, computational and/or experimental studies.

Guest Editors

Dr. Madeleine Combrinck

Dr. Pak Sing Leung

Dr. Jerry Edge

Deadline for manuscript submissions

closed (30 September 2023)



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Message from the Editor-in-Chief

Dynamics aims to cover the research needs of scholars working mainly with physical and chemical processes and thus focuses on the study of systems in these two fields, presenting both theoretical and experimental results. Of particular interest are papers detailing new results concerning dynamics theory regarding differential equations (ordinary differential equations, stochastic differential equations, fractional order systems, nonlinear systems, and chaos) and their discrete analogs, which consist of the mathematical base of the presented physical and chemical models. *Dynamics* will also publish papers concerning computational results and applications of physical and chemical processes in biology, engineering, robotics, and the other sciences, as well as papers in other areas of mathematics that have direct bearing on the dynamics of these kinds of processes.

Editor-in-Chief

Dr. Christos Volos

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