

Special Issue

Control, Modeling, Analysis, Optimization and Applications in Mechanical Engineering

Message from the Guest Editors

This Special Issue aims to explore the latest advancements in the application of mathematical techniques to control, modeling, analysis, and optimization in mechanical engineering. We welcome original research papers, review articles, and short communications related to this theme, covering the application of mathematical techniques to areas such as: Mathematical modeling and simulation of mechanical systems. Control theory and applications in mechanical systems.

Optimization techniques for mechanical systems.

Structural analysis and design of mechanical systems.

Thermal analysis and design of mechanical systems.

Computational fluid dynamics in mechanical engineering applications.

Robotics and automation in mechanical engineering applications.

Additive manufacturing in mechanical engineering applications. All submissions will undergo rigorous peer-review by experts in the field, with manuscripts evaluated on the basis of their originality, significance, and scientific quality. We look forward to your valuable contributions.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2024)



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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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