Mathematics and Engineering II

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Deadline for manuscript submissions:
closed (30 June 2024)

Message from the Guest Editors

Engineering problems arising in energy, environment, materials and healthcare fields feature enormous scale and complexity, which have posed challenges and provided opportunities for the development of advanced mathematical tools to ensure sound decision making. For example, with the breakthrough of computational power over the last few decades, modeling and numerical linear algebra have been intensely utilized and developed to simulate various engineering processes. More recently, data sciences and machine learning have emerged in a diverse collection of engineering fields.

The aim of this Special Issue is to bring together recent progress in the mathematics applied in complex engineering problems, which includes, but is not limited to, modeling and simulation, computations, analysis, control, optimization, data science, and machine learning.

Prof. Dr. Mingheng Li
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Guest Editors

Special Issue

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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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