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## Applied Mathematics in Energy and Mechanical Engineering

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### Message from the Guest Editor

Today, the key branches of human life support are energy and mechanical engineering. The activities of engineers, scientists, and specialists are aimed at improving the efficiency, environmental friendliness, and reliability of technical systems in the field of energy and mechanical engineering. The solution of these problems is directly related to the improvement of mathematical methods for collecting and processing data, improving the quality of engineering calculations, improving the accuracy of physical and mathematical modeling, and the introduction of artificial intelligence algorithms. Thus, today it is impossible to develop this real sector of the economy without the use of modern mathematical tools in the design, manufacture, and operation of technical systems.

The aim of this Special Issue is to collect scientific articles reflecting the latest advances in mathematical apparatus applications in complex engineering problems.

High-quality research and reviews are welcome. Particular attention should be paid to the practical application of research results.



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# Special Issue