Special Issue

Applied Mathematics in Energy and Mechanical Engineering

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.

Guest Editor

Dr. Leonid Plotnikov

Department of Turbines and Engines, Ural Federal University Named after the First President of Russia B.N. Yeltsin, Str. Mira, 19, Yekaterinburg 620002, Russia

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Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Humberto Bustince
Department of Statistics, Computer Science and Mathematics, Public University of Navarra, 31006 Pamplona, Spain

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