Artificial Intelligence and Optimization in Engineering Applications

Guest Editors:

Dr. Lei He

Dr. Xiaolu Liu

Prof. Dr. Lining Xing

Prof. Dr. Guohua Wu

Message from the Guest Editors

Dear Colleagues,

Artificial intelligence (AI) is revolutionizing the engineering landscape, transforming traditional processes and operations into intelligent, automated systems. AI's ability to process vast amounts of data, learn from patterns, and make informed decisions in real-time is enhancing efficiency, productivity, and innovation in various engineering sectors. To further explore and showcase these advancements, this Special Issue aims to gather cutting-edge research papers that delve into the integration of AI and optimization techniques in diverse engineering settings.

We invite researchers, academics, and industry experts to submit original, unpublished research papers that present novel AI and optimization techniques, such as meta/hyper-heuristics and machine learning methods, in these engineering applications. Contributions should demonstrate the significance of AI and optimization in enhancing engineering processes, reducing costs, and improving overall performance.

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Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

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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