Engineering Calculation and Data Modeling

Guest Editors:

Prof. Dr. Aimin Yang

Dr. Jie Li

Prof. Dr. Chunxiao Yu

Dr. Jianbo Liu

Deadline for manuscript submissions:
closed (31 May 2023)

Message from the Guest Editors

Engineering calculation, that is, the general problems in real engineering are solved by mathematical thinking. Data modeling, that is, the data generated in the project, is used to train the mathematical model. The general problems in engineering can be divided into optimal solution problems, optimization problems, prediction problems, and evaluation problems. For example, in the field of iron and steel metallurgy, how to reduce the carbon content in the ironmaking process and how to improve the hardness of the billet. We need to use the optimization model to achieve the engineering purpose by constantly adjusting parameters. Engineering problem is also a real problem, so it has attracted much attention at present. The innovation of the model is particularly important and practical.

All submitted papers will be peer-reviewed and selected on the basis of both their quality and their relevance to the theme of this Special Issue.

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.
Journal Rank: JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Contact Us