Mathematical Modelling in Engineering and Human Behaviour (2nd Edition)

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Message from the Guest Editors

The objective of this Special Issue, "Mathematical Modelling in Engineering and Human Behaviour 2024" (in collaboration with Mathematical Modelling in Engineering & Human Behaviour 2024— MME&HB2024, https://imm.webs.upv.es/jornadas/2024/home.htm is to develop an interdisciplinary forum in areas like Medicine, Sociology, Business and Engineering, where the latest mathematical techniques can be discussed in a common and understandable language with experts in cross-disciplinary areas. The conference is aimed at gathering researchers who need mathematics for the formulation and analysis of models.

The main topics of the conference are:

- Mathematical models in epidemiology and medicine.
- Mathematical models in engineering.
- Applications of linear algebra.
- Iterative methods for nonlinear problems.
- Simulations in civil engineering and railway engineering.
- Networks and applications.
- Financial mathematics.
- Uncertainty quantification and modelling.
- Optimization, least squares and applications.
- Machine learning and neuronal networks.
- Mathematics for decision-making.

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Special Issue

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Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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