Numerical Modeling and Machine Learning Techniques

Guest Editors:

Dr. Rubén Lostado Lorza
Department of Ingeniería Mecánica, University of La Rioja, Logroño, Spain

Dr. Marina Corral Bobadilla
Department of Mechanical Engineering, University of La Rioja, 26004 Logroño, La Rioja, Spain

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Message from the Guest Editors

The modeling and optimization of processes or products is today one of the most outstanding points for the advancement of today's society. Numerical modeling and machine learning techniques are undoubtedly among the most powerful methods and techniques for modeling and optimizing processes and products, reducing their cost of design and subsequent manufacturing.

The main aim of this Special Issue on "Numerical Modeling and Machine Learning Techniques" is to present new knowledge and trends using numerical modeling or machine learning techniques for modeling and optimizing processes or products. Numerical modeling techniques of interest in this Special Issue include but are not limited to finite element analysis, the finite volume method, the finite difference method, the boundary element method, discrete element methods, multibody simulation, and computational fluid dynamics. Classification, regression, and optimization algorithms could be considered in developing machine learning or Artificial Intelligence techniques.

Special Issue

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and
Industrial Engineering, University
Niccolò Cusano, 00166 Roma,
Italy

Message from the Editor-in-Chief

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