



Numerical Modeling and Simulation in Engineering Sciences

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Message from the Guest Editor

Dear Colleagues,

This Special Issue focuses on the use of numerical simulation and mathematical models applied to engineering sciences, with emphasis on recent advances in numerical techniques and their application in industrial or academic applications. We are interested in papers addressing topics ranging from the novel application of existing mathematical tools to the development of novel numerical schemes to solve existing problems. This includes, but is not limited to, the following topics: (a) the use of standard numerical tools (e.g., finite difference, finite volume, finite element, meshless methods); (b) new numerical methodologies, including their validation with benchmarking cases; (c) high-performance computing, including new parallel computing algorithms; (d) the correct and effective modelling of initial and boundary conditions; (e) different types of balance equations in engineering; (f) mathematical modelling of multiphysics phenomena. Research articles, reviews papers and short communications are also invited.





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Message from the Editor-in-Chief

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