Special Issue

Computational Mechanics and Applied Mathematics

Message from the Guest Editor

The evident and rapid progress in computational mechanics in recent decades (both in mathematical models and computational algorithms) has already raised the level of knowledge through various numerical methods (such as finite volume, finite element, boundary element, and meshless methods) and simulations for various problems in the fields of computational mechanics and engineering. This progress, supported by the simultaneous development of computer technology, has allowed new models and approaches to become more comprehensive and complex (including more information and detail), fast (i.e., computationally more efficient), robust, and accurate.

We therefore invite articles for submission to this Special Issue, focused on "Computational Mechanics and Applied Mathematics". The scope of this Special Issue covers areas related to the application of new mathematical models, methods, or techniques in computational engineering mechanics, including the analytical, semi-numerical, and numerical-based computational modeling and analysis of structural engineering problems.

Guest Editor

Dr. Matjaž Skrinar

Associate Professor, Faculty of Civil Engineering, Transportation Engineering and Architecture, University of Maribor, FGPA, Smetanova 17, 2000 Maribor, Slovenia

Deadline for manuscript submissions

closed (30 September 2024)

MDPI

About the Journal

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.

Editor-in-Chief

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

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