

Special Issue

Advanced Computational Mechanics

Message from the Guest Editors

This Special Issue welcomes contributions focused on the nonlinear behavior of structural systems. Aspects involving novel constitutive models, multiscale simulation, topological optimization, failure of composite materials and fatigue failure, as well as fracture mechanics numerical techniques are of interest, both under original research and review articles, are welcome. Contributions describing the use of novel approaches, such as machine learning in areas or applications demonstrating the applicability of the techniques to large-scale problems, are particularly welcome. Numerical models that offer high accuracy concerning experimental behavior are kindly welcomed.

Guest Editors

Dr. Lucia Barbu

CIMNE, Centre Internacional de Mètodes Numèrics a l'Enginyeria, C1, Campus Nord, Gran Capità, 08034 Barcelona, Spain

Prof. Dr. Riccardo Rossi

Department of Civil and Environmental Engineering, Polytechnic University of Catalonia (UPC), c. Gran Capitan s/n, Ed. B0, Campus Nort, UPC, 08034 Barcelona, Spain

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

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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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