

## Special Issue

# Computational Mechanics for Solids and Structures

### Message from the Guest Editor

Solid and structure mechanics encompass diverse areas like structural analysis, solids mechanics, stress analysis, fracturing, fatigue, flow, wave propagation, heat transfer, optimal design strategies, structural topologies, numerical techniques, vibrations, and material properties. This dynamic field continually evolves, addressing challenges and pioneering innovative solutions. The Special Issue, "Computational Mechanics of Solids and Structures," seeks to consolidate recent developments and foster global collaboration, welcoming contributions from mechanical, civil, thermal, and material engineering researchers. The goal is to provide a comprehensive overview, discuss new trends, and explore recent developments, laying the foundation for future research. Submissions on topics like structural analysis, solids and mechanics, thermal analysis, finite element modeling (FEM), and computational analysis are encouraged, with an open scope for other relevant areas. Keyword: solid and structure analysis; structures; structural mechanics; computational modeling; experimental models

### Guest Editor

Prof. Dr. Elza Maria Morais Fonseca

Department of Mechanical Engineering, Polytechnic Institute of Porto,  
ISEP-IPP, Porto, Portugal

### Deadline for manuscript submissions

closed (31 August 2025)



## Applied Sciences

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*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

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