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Structural Mechanics in Materials and Construction

Guest Editors:

Prof. Angelo Luongo

Department of Civil, Architecture and Building and Environmental Engineering, University of L'Aquila, Via Giovanni Gronchi 18, 67100 L'Aquila, Italy

Dr. Simona Di Nino

Department of Civil, Construction-Architectural and Environmental Engineering, University of L'Aquila, Piazzale Ernesto Pontieri, Monteluco di Roio, 67100 L'Aquila, Italy

Deadline for manuscript submissions:

closed (20 February 2025)

Message from the Guest Editors

This Special Issue is dedicated to academic researchers who want to propose studies in the framework of deterministic and stochastic mechanics of solids and structures. The subject is of great interest in the field of Civil and Mechanical Engineering.

Some of the themes considered for this Special Issue include, but are not limited, to the following:

- **Solid Mechanics:** Continua, Damage, Contact, Multi-Physics Models;
- **Mechanics of Materials:** Engineering Materials, Composites, Smart Materials, Biological Materials;
- **Structural Mechanics:** Structural Models, Anelastic Structures, Engineering Devices; Environment-Structure Interactions, Reliability Optimization;
- **Computational Mechanics:** Finite Element Methods, Asymptotic Methods, Homogenization;
- **Dynamics and Control:** Linear and Nonlinear Dynamics, Wave Propagation, Seismic Dynamics, Stochastic Dynamics, Active and Passive Control;
- **Stability and Bifurcation:** Buckling, Aeroelasticity;
- **Experimental Mechanics:** Measures, Identification and Diagnostic, 3D Printing.



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Special Issue



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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

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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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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