Special Issue

Composites, Meta and Nano Materials Modelling and Structural Application

Message from the Guest Editors

Engineered materials and their applications have defined the modern frontier of structural engineering. The design and evaluation of constitutive laws, starting from the constituent structure at the element scale, is a crucial aspect that structural engineers must consider and incorporate into their designs. The internal constituent aggregate defines the element scale, varying from the nanoscale of nanomaterials and nanofluids, which are composed of atomic aggregates such as graphene and similar nanostructured elements, to masonry, fractured rocks, and similar materials, where the element scale has dimensions ranging from decimeters to meters. The proposal for the Special Issue we are editing aims to bring together scientists and engineers to summarize the description, modeling, constitutive laws, proposal, validation, and homogenization and optimization techniques, facilitating the description and design of nano meta and composite materials and structures.

Guest Editors

Dr. Vincenzo Minutolo

Department of Engineering, Università degli Studi della Campania Luigi Vanvitelli, Aversa, Italy

Dr. Renato Zona

Department of Engineering, Università degli Studi della Campania Luigi Vanvitelli, Aversa, Italy

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@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.

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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