

Special Issue

Mechanical Properties of Structural Metals

Message from the Guest Editors

Over the past decade, advanced structural metals have been experiencing an ever-growing deployment in several engineering applications thanks to advances in manufacturing techniques and increased demand for durable multifunctional components. The Issue aims to highlight recent advances in structural metals in terms of design, topological and mechanical characterization, and application. We invite contributions covering topics including but not limited to the following: multi-material metallic structures and composites; metallic lattices and foams; topology optimization; finite element analysis; destructive and non-destructive characterization of structural metals; structure–property relationships; metallurgy of structural metals, additive, subtractive, and hybrid manufacturing; application of structural metals in different engineering disciplines; crashworthiness of structural metals under dynamic loading; metallic composites and sandwich panels under impact and blast loading; design of structural metals; and the mechanics of plates and shells, nanostructured materials, high-entropy alloys, bulk-metallic glasses, and oxide dispersion strengthened alloys.

Guest Editors

Dr. Sivasankaran S

Department of Mechanical Engineering, College of Engineering,
Qassim University, Buraydah 51452, Saudi Arabia

Dr. Oraib Al-Ketan

Core Technology Platforms, New York University Abu Dhabi, Abu Dhabi,
United Arab Emirates

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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About the Journal

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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