

## Special Issue

# Mechanical Behavior of Steels

### Message from the Guest Editors

Steels are the most widely used metal materials and play an important role in the modern automotive and rail industries. In these industries, components are usually subjected to severe service conditions. Thus, superior mechanical properties are of major engineering significance. This Special Issue aims to cover the recent research progress in the field of steels. It is focused on, but not limited to, original contributions dealing with microstructure characterization, advanced processing techniques, heat treatment routes, environmental effects, and structural integrity assessment, including fatigue and fracture. Examples of innovative industrial applications are also encouraged. Both experimental and numerical approaches are welcome.

Dr. Joel De Jesus

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### Guest Editors

Dr. Ricardo Branco

Prof. Dr. Filippo Berto

Prof. Dr. Joel de Jesus

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### Deadline for manuscript submissions

closed (25 November 2023)



## Applied Sciences

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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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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