

## Special Issue

# Metal Fatigue: Current State of the Art

### Message from the Guest Editor

Fatigue failures are one of the most frequent damage phenomena whenever the structures are exposed to dynamic loading. This means that we cannot imagine the development of new products in energy conversion and distribution facilities, the transport industry, biomedical industry, construction industry, chemical processing industry, etc. without considering fatigue-based design. Despite the fact that polymers often replace metals in consumer products, fatigue-related topics for metallic materials remain an interesting research challenge. To further optimize engineering products and fully utilize the potential of new production technologies, an improvement of the existing fatigue design methods and development of new and innovative approaches for effective prediction of fatigue life are needed. This Special Issue is a good opportunity to present the current state of the art in the scientific field of metal fatigue. For this reason, I would like to invite all researchers dealing with fatigue-related phenomena of metallic materials to send a manuscript to this Special Issue of *Metals*.

### Guest Editor

Prof. Dr. Jernej Klemenc

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### Deadline for manuscript submissions

closed (28 February 2022)



## Metals

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CiteScore 5.3



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## About the Journal

### Message from the Editor-in-Chief

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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### Editor-in-Chief

Prof. Dr. Yong Zhang

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