Special Issue

Feature Review Papers in Metal Failure Analysis

Message from the Guest Editor

The Special Issue on the state of the art in metal failure analysis is related to experimental and theoretical work in predicting failure analysis in metals, including using new artificial intelligence and machine learning (AI-ML) techniques. Failure analysis methods should include structural and microstructural characterization, correlation of such characterization with mechanical, electrical, magnetic, optic, and thermal properties of metals, as well as AI-ML algorithms enhancing the possibility of achieving lifetime failure analysis. The ultimate target is that this Special Issue provides technology to predict the remaining life time to failure of the under investigation metals. We invite works related to all kinds of metals and alloys for all possible applications.

Guest Editor

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About the Journal

Message from the Editorial Board

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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