



Novel Methods and Techniques for Measurements of Metal Properties

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Message from the Guest Editors

Technical papers on the measurement and testing of properties of metal materials related to strength, toughness, hardness, thermal, conductive, resistance, corrosion, and other functions with applications in mechanical, structural, space, energy, transportation, medical, biological, and other fields in the form of solid, powder, fluid, mixture, composites, and others are solicited for this Special Issue. With advances in materials science and testing technology, there are emerging requirements for material testing for new features and properties, and many novel techniques for testing and measurement have been developed and utilized, especially for nanomaterials and composites with modification and enhancement of properties of metals.

- Measurement and testing of metals
- Metal materials characterization
- Metals, alloys, composites, nanomaterials
- Strength, hardness, surface, thermal, corrosion, friction
- Tensile, bending, compression, vibration, wave propagation
- Processing, manufacturing, welding, pressing, shaping
- Structural, functional, soft, aging
- Testing, analysis, design, forecast, modelling



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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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