



Microstructures and Mechanical Properties of Metals and Alloys

Guest Editor:

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submissions:

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Message from the Guest Editor

Current trends in research surrounding the mechanical properties of materials are primarily focused on controlling microstructures with micro–nanoscale dimensionalities.

For this Special Issue, we welcome papers which address the functional interactions between the external parameters of plastic deformations (temperature, deformation, and deformation rates) and their internal structural characteristics (recrystallization, precipitation, and phase transformation).

Submitted research should provide a description of the influence of the chosen approach on grain refinement and the final mechanical properties of the material in question. Other research addressing approaches for refining structures and for determining mechanical properties will also be considered for publication.

Finally, research on the structural and property refinement of all bulk and powder metal materials, their alloys, and their treatment methods (e.g., additive manufacturing and cryo deformation) will be considered for publication.





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Editor-in-Chief

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Message from the Editor-in-Chief

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