



Strain Reversal in Metals and Alloys: Origins and Consequences

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Message from the Guest Editors

This Special Issue is dedicated to covering all aspects of strain reversal, from its origins to its consequences in the deformation behavior and properties of metals and alloys. The potential topics include, but are not limited to:

- Impacts of strain reversal on mechanical properties and microstructure (from nano to micron size), dislocation arrangement, grain size, and texture.
- Factors affecting strain reversal, including the process parameters (e.g., the amount of forward and reverse strain) and the parameters relevant to the material, including the initial grain size, stacking fault, strain path, elasticity (in fatigue), and grain refinement.
- Processes involving strain reversal, from fatigue to severe plastic deformation methods including equal channel angular extrusion, simple shear extrusion, twist extrusion, high-pressure torsion, cyclic expansion extrusion, and accumulative roll bonding.

Both experimental and computational works (modelling and simulation) on metals and their alloys relevant to any aspects of strain reversal are welcome.





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Message from the Editor-in-Chief

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