



Thermo-Mechanical Processing of Structural Metals

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Message from the Guest Editors

The ever increasing usage of structural materials in extreme environment, lightweighting, renewable and nuclear energy applications requires a higher performance to be exhibited from these materials. Thermo-mechanical processing (TMP) of structural materials at large strains, strain rates and high/cryo temperatures can greatly enhance their properties and performance while also allowing them to be produced at large quantities to satisfy the increasing demand.

This Special Issue of JMMP seeks contributions from both conventional (rolling, extrusions, forging, etc.) and non-conventional routes for the enhancement of properties and/or the production of new alloys and composites of structural materials. Submissions on high-temperature alloys, high-entropy alloys, bimetals, metal matrix composites are encouraged as well as traditional structural materials such as iron, steels, and aluminum alloys. Another area of interest in this Special Issue is new and novel TMP for the sustainable and energy-efficient production of structural materials in large quantities.





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Message from the Editor-in-Chief

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