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Microstructure and Deformation of Advanced Alloys

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Deadline for manuscript submissions: **29 July 2024**

Message from the Guest Editors

microstructure evolution deformation The and mechanisms in alloys were researched during over eight decades. While the initial work was mostly experimental, studies of defects (including dislocations) and their motion during deformations resulted in mathematical models describing deformation mechanisms. Collected in this Topic are contributions related to characterization of defects, microstructure evolution, deformation modelling, design of advanced alloys, and alloy processing during manufacturing (including additive manufacturing and thermomechanical treatment). The goal of this Special Issue of Crystals is to elucidate the relationships among behaviour of defects. microstructure evolution. deformations, and thermomechanical properties of advanced allovs.Submissions to this Special Issue are welcome in the following areas:

Specialsue

- metals and alloys
- defects
- texture
- microstructure
- deformation
- aging
- properties
- hot-working
- cold-working



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Message from the Editor-in-Chief

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