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Formation, Microstructure and Behavior of Metastable Austenite in Advanced High-Strength Steels

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Message from the Guest Editor

This Special Issue, “Formation and Behavior of Metastable Austenite in Advanced High-Strength Steels”, will include research papers and reviews on all aspects of metastable austenite in steels including, but not limited to, advanced processing of austenite-containing steels, austenite formation during heat treatment, microstructure development, solute partitioning and stabilization, effects of chemical composition, size, shape and triaxiality on austenite stability, stacking fault energy (SFE) effects, deformation-induced transformation under monotonic uniaxial or multiaxial loading, as well as cyclic loading, advanced experimental techniques to monitor the deformation-induced austenite transformation, modeling and simulation and finally alloy and process design for enhanced TRIP effects.



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Special Issue



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Message from the Editor-in-Chief

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