



Recent Advances in Low-Density Steels

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Deadline for manuscript
submissions:

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is devoted to recent advances in low-density steels because of their excellent combination of specific strength and ductility. Reducing the density of steels is a novel approach to reduce the weight of engineering structures, thus saving material and energy. The mentioned steels can be divided into three categories: ferritic steels, duplex steels and austenitic steels, depending on their microstructure.

The main focus of this Special Issue is the collection of papers dealing with a wide range of low-density steels and presenting recent advances in this field. In particular, in relation to microstructures and all the associated properties already mentioned.

Keywords:

- low density steels
- lightweight steels
- microstructure
- solidification
- heat treatment
- mechanical properties
- phase precipitation
- spinodal decomposition

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