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Fatigue Life Evaluation of Steel under Different Conditions

Guest Editor:

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Message from the Guest Editor

For load conditions relatively far from safe values, fatigue is the most important parameter to be considered in the behavior of mechanical and structural components subjected to constant or variable amplitude loading. Fatigue life is influenced by mechanical, metallurgical, and environmental variables. The purpose of this Special Issue is to evaluate the most recent technological developments regarding knowledge of fatigue life evaluation of steel. The forecast of steel performances is fundamental for the safety, maintenance management, and replacement planning of components of most industrial products and production plants. Furthermore, reliable knowledge of the performance of a product allows designing and carrying out treatments during the production phase that can increase the fatigue lifetime.

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Prof. Andrea Gatto
Guest Editor



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Message from the Editor-in-Chief

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