

Special Issue

Lifetime Extension of Industrial Machines

Message from the Guest Editors

This topic interconnects several theoretical and experimental approaches in engineering. Actually, machine retrofitting can involve the upscaling of the whole machine or of some components and therefore regards in particular machine design, structural health monitoring, and fatigue life assessment. Especially in the case of non-stationary operation, lifetime extension of industrial machines can involve the optimization of the control and therefore regards in particular systems design and testing. Furthermore, in general, the economic profitability of machine lifetime extension has to be assessed in a probabilistic scenario accounting for the risk of component damages. On these grounds, the present Special Issue aims to collect contributions devoted to the multi-faceted topic of lifetime extension of industrial machines. Theoretical and experimental contributions are welcome.

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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided. There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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