Special Issue

Tribology in Machine Components

Message from the Guest Editor

Wear failure is one of the major failure modes of most machine components. An understanding of the tribological behavior of machine parts is necessary in order to predict the service life of parts and improve their performance. The study of the tribological behavior of components can also be used to monitor and control mechanical equipment. This Special Issue focuses on the latest innovative discoveries and applications in the field of tribology used in machine components. Advances in the cross-correlation of experimental results in machine component applications are highly welcome. Papers dedicated to the simulation and optimization of component tribological characteristics with the use of computer techniques are also highly suitable for this Special Issue. Potential themes include, but are not limited to, the following: processes and phenomena related to component tribology property, tribology of surface coatings, wear mechanisms and durability design, tribological behavior of smart materials, lubrication of machine components, computer simulation in tribology, component tribological behaviors under extreme working conditions.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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