

Special Issue

Tribology and Mechanical Transmissions

Message from the Guest Editors

Thanks to the revolution in transportation and industrial systems, driven by environmental concerns, comes the need to optimize resources and increase the reliability, durability and the efficiency of machines and mechanisms. The use of mechanical transmissions is transversal across many industries; therefore, their study in light of this scope is of the utmost importance. The study of tribology applied to mechanical transmissions is a complex and a multidisciplinary topic involving contact mechanics, dynamics, materials, lubricants and design. We invite submissions exploring new modelling and experimental developments on rolling bearings, gear tribology and all related topics that can improve the lubrication, efficiency and dynamic behaviour of mechanical transmissions.

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closed (20 September 2022)



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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.

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