Special Issue

Friction and Lubrication of Sliding Bearings

Message from the Guest Editor

This Special Issue came as the natural consequence of the great success of the previous Special Issue, “Friction and Lubrication of Bearings”. The significant research into all aspects of bearing operations has been extensive in the last century. However, the drive for better quality and longer-lasting bearings and the use of new materials, designs, and lubricants enable continuous research and add new knowledge to engineering science. The current Special Issue is aimed at the latest developments concerning lubrication mechanisms and lubricants and the effect of working parameters upon their functionality and the modelling of their behavior.

- bearing
- sliding
- modeling
- hydrodynamic lubrication
- hydrostatic lubrication
- journal bearings
- thrust bearings
- gas bearings
- water lubricated bearings
- materials
- lubricants

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Friction, wear, and lubrication are tribological phenomena that govern the behavior of interacting surfaces in a wide range of machine components. Understanding the physical and chemical nature of these phenomena is critical to achieving long component lifetime and economical operation. Research in the field of tribology is highly interdisciplinary, and encompasses the fields of physics, chemistry, engineering, and mathematical modeling. *Lubricants* invites contributions on new advances in all areas of tribology for publication as peer-reviewed research articles, reviews of current research, letters, and communications. We are committed to providing timely reviews of all articles submitted. Please consider sharing your work with the scientific community through publication in *Lubricants.*

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