

Special Issue

Tribology Problems in Rotating Machinery

Message from the Guest Editors

The main focus of this Special Issue is tribology problems in diagnosis and prognosis in rotating machinery. Fault modelling, detection and identification are crucial topics in this regard. Fault classification and severity analysis in terms of lubricated contacts must be developed regarding signal processing, machine learning and statistical procedures. Keywords

- hydrodynamic bearings
- rolling bearings
- foil bearing
- bearing modelling
- bearing power losses
- friction reduction
- bearing failure analysis
- fault diagnosis
- condition monitoring
- rotating machinery

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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*.

Editor-in-Chief

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