Special Issue

Recent Advances in Tribological Properties of Machine Tools

Message from the Guest Editors

The performance of mechanical components and systems is mainly determined by the optimization of their design and manufacturing processes. How to apply tribology technology in the design and manufacturing stage is an important factor affecting the failure and efficiency of systems or their components. The application of appropriate tribology design and manufacturing can reduce or avoid excessive friction and wear at the contact interface, extend machine lifetimes, and improve system reliability. Due to the progress and development of our society, the requirements for precision and environmental protection have become increasingly stringent. Hence, tribology in design and manufacturing is facing more challenges. For example, green lubricants, green manufacturing, machine learning, and tribology monitoring are developing rapidly. The current Special Issue will mainly connect experts and scholars in related areas from all over the world as well as scholars who will participate in the 2024 International Conference on Engineering Tribology and Applied Technology

Guest Editors

Prof. Dr. Yunn-Lin Hwang

Prof. Dr. Jeng-Haur Horng

Dr. Thi-Na Ta

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Lubricants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
lubricants@mdpi.com

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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

Prof. Dr. Homer Rahnejat
School of Engineering, University of Central Lancashire, Preston PR1 2HE, UK

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