



Advances in Contact Mechanics

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Message from the Guest Editors

The study of contact mechanics plays an important role in improving the efficiency and reliability of modern mechanical and bio-medical systems. It lays the foundation to research on the adhesion, friction, lubrication, fatigue and wear of contacting interfaces and materials. There are numerous contact problems at different working conditions in applications such as rolling/sliding contacts in machine elements, static contact interfaces of screw connections, and rubbing surfaces in human joints, as well as many manufacturing processes. Each of these contact problems has specific challenges. Advanced analytical, numerical and experimental methods have been developed to meet the demands.

The aim of this Special Issue is to share advances in our understanding of specific phenomena in contact mechanics. Both experimental and theoretical studies are highly welcome.





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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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