Special Issue

Contact Problem with Friction in Thermo-Viscoelasticity/Electroelasticity

Message from the Guest Editors

In the realm of engineering sciences, particularly within the mechanics of continuous media, most physical phenomena involve contact problems between a deformable solid and a rigid foundation. These contact problems, which can occur with or without friction, are fundamental to understanding the behavior of materials and structures in a variety of engineering applications. This includes situations where materials are subjected to high temperatures, experience time-dependent deformations, or are involved in electromechanical coupling. Understanding the relationship between contact problems and lubrication is crucial for optimizing the performances of mechanical systems in which surfaces in contact slide against one another. Lubrication is a key factor in reducing friction, wear, and the heat generated during contact, which, in turn, can significantly extend the lifespans of components and improve their operational efficiency. The interplay between lubrication and contact mechanics is, therefore, a critical area of study.

Guest Editors

Prof. Dr. Mustapha Bouallala

Prof. Dr. El Hassan Essoufi

Prof. Dr. Rachid Fakhar

Prof. Dr. Hicham Benaissa

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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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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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