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Friction Mechanisms

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2019)

Message from the Guest Editor

This Special Issue is aimed at further improving our understanding of the scale-dependence and the interplay of dissipation mechanisms. While the focus should lie on sliding or rolling contacts, systems may range from soft-matter systems, such as rubber moving past a rough surface to single-asperity metal on metal contacts. Theoretical, computational, and experimental submissions are welcome. This Special Issue will publish full research papers, communications, and review articles. Topics of interest generally include (but not limited to):

- Kinetic friction
- Plastic deformation
- Rubber friction
- Boundary lubricants
- Adhesive wear
- Multiscale modeling
- Multiphysics modeling

Prof. Martin H. Müser

Guest Editor

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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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