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Friction Reduction at Interfaces

Guest Editor:

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Deadline for manuscript submissions:
closed (30 April 2020)

Message from the Guest Editor

Dear Colleagues,

"Interface" is where friction originates, so it greatly affects the tribological properties of the target surface. In order to optimize the interfacial structure to achieve excellent tribological properties, many analytical approaches have been used to clarify the physical and chemical phenomena that occur at the interface.

This Special Issue focuses on the latest advances and future trends in the study of interface friction reduction. Paper submissions are highly welcome, regardless of whether you are an academic researcher or an industrial engineer. Our aim is to produce a Special Issue that promotes an open-minded discussion of the new approaches and challenges that reveal valuable clues that all tribologists can utilize in order to further reduce friction. Principal topics include, but are not limited to:

- Interfacial structure;
- Friction reduction;
- Sliding surface;
- Additive adsorption;
- Tribofilm formation;
- Atomic structuration of materials;

Prof. Tomoko Hirayama

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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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