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Acoustic Emission in Friction

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Deadline for manuscript submissions:
closed (31 May 2023)

Message from the Guest Editor

Acoustic emissions (AEs) refer to the transient mechanical waves (ultrasound) produced by the release of elastic energy from irreversible processes occurring in materials under stress. In sliding contacts, AE can be generated from sources associated with various tribological mechanisms, e.g., interfacial plastic deformation, cracks propagation, material transfers, and allotropic transformations.

For the current Special Issue, "Acoustic Emission in Friction", original papers dealing with AEs of tribological systems are welcomed. This Special Issue aims to bring new insights concerning in situ measurement in the field of tribology.

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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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