Special Issue

Tribology in Metal Forming

Message from the Guest Editors

Metal forming is the metalworking process of fashioning metal parts and objects through mechanical deformation. The ability to produce a variety of shapes from a block of metal at high rates of production has been one of the real technological advances of the current century. Tribology plays an important role in metal forming operations. Friction between metal and forming tools has essential influence on the process performance and on the final product properties. Friction increases tool wear and the power required to work a piece. This results in increased costs due to more frequent tool replacement, loss of tolerance as tool dimensions shift, and greater forces required to shape a piece. The use of lubricants which minimise direct surface contact reduces tool wear and power requirements. This Special Issue aims the latest research on tribology in metal forming. Contributions are welcome from both academic researchers and their industrial peers dealing with various issues of tribology in metal forming including bulk forming, sheet forming, micro forming, powder process, etc.

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About the Journal

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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