



Tribology in Metal Forming

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Message from the Guest Editors

Dear Colleagues,

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.

