lubricants

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Comprehensive Progress in Mixed Lubrication

Guest Editor:

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Message from the Guest Editor

With the continuous efforts of tribologists all over the world, there is significant progress in mixed lubrication in theoretical, experimental, and practical areas. This Special Issue is intended to bring together the latest achievements and present readers with a comprehensive knowledge base. Manuscripts on the following example topics, but not limited to, are welcome:

- Experimental study to measure film thickness of mixed lubrication or of boundary film;
- Experimental investigation about micro- or nano-scale systems;
- Development of lubricants, surface texturing, or materials to better endure mixed lubrication;
- Deterministic or scholastic modeling of lubricant flows/film distributions considering micrometer or nanometer features;
- Molecular dynamic simulations to understand interactions occurring over surfaces;
- Innovative applications of new technologies such as deep learning/neural network;
- Case studies based on components' endurance in mixed lubrication from validation testing or field;
- Studies of failure mechanism under mixed lubrication conditions.