



Multiphysics and Multiscale Models of Tribology

Guest Editor:

Prof. Dr. Andreas Almqvist

Division of Machine Elements,
Luleå University of Technology,
SE-971 87 Luleå, Sweden

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Message from the Guest Editor

This Special Issue, “Multiphysics and Multiscale Models of Tribology”, in the open access journal *Lubricants*, is open for submissions presenting modelling and simulations involving the multiphysics and/or multiscale nature of tribological interfaces found in bearings, gears, seals, etc. While it encourages a broad spectrum of contribution in tribology, its core interest lies in issues concerning the development, verification and validation of the models and their numerical solution procedures. Papers of transdisciplinary nature presenting and connecting fundamental research with more applied are particularly welcome.

Keywords

- Elastohydrodynamic lubrication
- Contact mechanics
- Leakage/percolation
- CFD
- Fluid-structure interaction
- Mechanical deformation
- Thermal expansion
- Roughness
- Cavitation

