



## **Gear Tribology**

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### **Message from the Guest Editor**

Dear Colleagues,

Gears are unquestionably crucial parts in a mechanical system. A well-functioning gear is directly dependent on the quality of its lubrication, and its lifetime is dependent on the friction- and wear dynamics in the system. To be able to optimize the performance of a gear and its lifetime, an understanding of the tribological mechanisms in the system is vital. Due to the inherent multidisciplinary nature of tribology, with intersecting areas such as rheology, fluid and solid mechanics, contact mechanics, material sciences, and chemistry, the complexity of lubrication, friction and wear dynamics in gears is highly prominent.

The current Special Issue is devoted to the latest developments and findings in the versatile area of gear tribology. This Special Issue covers both the functionality of gears by means of the tribology aspects, and the modelling of issues related to gear performance such as lubrication and wear. Potential topics include, but are not limited to:

- Gears
- Gearboxes
- Friction
- Lubrication
- Wear
- Modelling
- Experiments

Prof. Dr. Lars-Göran Westerberg

*Guest Editor*

# **Special** Issue

