



## Tribological Characteristics of Bearing System

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

Bearings are widely used in automobile transmission, rail transit, aerospace and equipment manufacturing. They are the key mechanical components for bearing and transmitting motion. Under the influence of severe service environments, such as large load, high speeds and wide temperature ranges, the study of bearing friction and wear characteristics and fatigue damage mechanism plays an important role and is significant for promoting the high reliability, durability and long life of bearings. Through advanced intelligent manufacturing technologies, such as bearing material alloy optimization, heat treatment process optimization, deformation prediction, surface modification and intelligent simulation, new technical support and development ideas can be provided for the bearing system.

This Special Issue will present a collection of papers on bearing friction and wear, fatigue durability and rotor dynamics, representing the latest research progress in the field of bearing systems. I am pleased to invite researchers in related fields to contribute to this Special Issue.

