Special Issue

Remaining Useful Life Prediction for Rolling Element Bearings

Message from the Guest Editor

Bearings are one of the main sources of nonlinearity in systems formed by rotating machines, since they significantly affect their operation. This nonlinear behavior has led to the development of a wide range of techniques, both for monitoring and for maintenance, making it possible to guarantee the normal operation of a machine's bearings. In applications such as turbines and aircraft engines, the condition of these elements is paramount because a simple imperfection can cause critical problems and extremely dangerous as well as expensive results. In CNC machine tools, the progressive wear of bearings cannot be avoided and it is important to continuously monitor and diagnose in order to generate an accurate diagnosis of the condition of machinery.

Guest Editor

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