Big Data — Processing Real-time Sensor Data
Interdisciplinary Project

**Motivation:**
At the Gear Research Centre we are developing an innovative artificial intelligence based condition monitoring system with gear damage detection. With the benefit of having a large test facility, we are able to run as many tests as necessary to get the data needed. One challenge is to handle and analyze the huge amount of data, which is obtained at high frequency.

**Your task:**
To improve our data acquisition your task will be to develop and implement a new concept for real-time measurement data handling in the context of big data, thereby getting the chance to work with latest measurement technologies. As part of your work you will also take care of server client interaction.

**Your profile:**
- Highly interested in big data and real-time data processing technologies
- Coding Skills in Python, possibly LabView
- Highly motivated and responsible
- Fluent in English or German

Contact:
M.Sc. Stefan Sendlbeck
Tel. +49 89 289 10426
sendlbeck@fzg.mw.tum.de
26.02.2019