

Eindhoven University of Technology has a PhD position on Data-Driven Maintenance. The project aims to develop data-driven methods to predict the failure behavior of high-value assets for taking proactive actions on maintenance and related resource planning. The ultimate goal is to minimize the total cost of ownership while meeting system availability constraints of the assets. Study of the integrated performance of a prediction method for failures and a maintenance optimization model will be of particular interest. This PhD position is part of the European Union funded project "Cyber Physical System based Proactive Collaborative Maintenance (MANTIS)". In the project, there will be close collaboration with two industrial partners: Philips Healthcare and Philips Consumer Lifestyle.

Supervisors of the project are dr. Alp Akcay and prof. dr. ir. Geert-Jan van Houtum. For the PhD project, applicants should have completed (or be close to completion of) a Master's degree in operations management, operations research, econometrics, applied mathematics, or industrial engineering, or a comparable domain with a solid background in (stochastic) quantitative research methods. For more information, also on how to apply, see: <http://jobs.tue.nl/en/vacancy/phd-candidate-in-datadriven-maintenance-248346.html>