At the Chair of Logistics and Supply Chain Management of TUM School of Management we are looking for an interested and qualified student to conduct an

Interdisciplinary Project

on the topic:

Vehicle Routing Visualization

Vehicle Routing is one of the classical problems in transportation logistics. From a central depot, drivers have to visit a set of customers to deliver some goods and return to the depot. The goal is to find an efficient tour plan by clustering the customers into different tours and find the best sequence in each cluster.

The aim of this project is to develop an online tool, where users select customers on a map. After that an algorithm solves the routing problem and displays the solution for the user again. More details can also be provided upon request.

This IDP can be done as a group project or also subsets in single projects.

Selected tasks:
- development of an online tool
- implementation of a solution algorithm
- efficient data processing, e.g., connection to data base

Requirements:
The thesis is for student with major in computer science. The ability to work independently as well as analytical skills are required.

Begin: ongoing
Advisor: Pirmin Fontaine (pirmin.fontaine@tum.de)
Application: Email with CV and transcript of records to logtheses.wi@tum.de