At the Chair of **Logistics and Supply Chain Management** of TUM School of Management we are looking for interested and qualified students to conduct their

Project Study

on the topic:

Social Media Crawling for Sustainable and Resilient Supply Chains

Social media not only facilitates communication and connects people all over the world but also mirrors societal developments. It actively influences the consumer awareness for public discussions, such as increasing the sustainability of economies, and thus serves as a valuable source of information for business and politics. With this data, decision makers can find leverages for improving the sustainability of production and transportation systems as well as increasing these systems' robustness against unexpected and disruptive events.

The goal of this project is to assess the possibilities of using social media data to design more sustainable and resilient supply chains. For this, a social media crawler should be built that extracts and analyses relevant data from different sources and depicts their potential in improving the sustainability and robustness of economic systems.

Selected research tasks:

- Literature Review
- Definition of data model
- Building social media crawler
- Evaluation of the methods and results
- Graphical representation of results

Requirements:

The project study is suitable for students at TUM School of Management with a background in Computer Science and preferably with a focus on Operations and Supply Chain Management. Students are expected to work in groups of 2-5, applications are possible as a group or individually. The ability to work independently and analytical skills are required. The assignment should be written in English, supervision is possible in German or English.

Begin: as soon as possible
Advisor: Alexander Bloemer
Application: Email with curriculum vitae and transcript of records to logtheses.log@mgt.tum.de