

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 his/her

Bachelor thesis

on the topic

A Literature Review on One of the Following Topics

1. Cyber secure supply chains

Cybersecurity is the collection of tools, policies, security concepts, security safeguards, guidelines, risk management approaches, actions, training, best practices, assurance and technologies that can be used to protect the cyber environment and organization and user's assets. We aim to investigate the challenges and solution approaches in cybersecurity in logistics and supply chain management.

2. Metaverse and supply chains

The metaverse creates a new world where every physical entity (e.g. people, products, and enterprises) has a digital twin. The entities in the metaverse are not just digital replicas of some physical entities; rather, they are equipped with artificial intelligence possessing and changing their own properties and behaviors and even influencing the behaviors and processes of physical entities.

3. Cloud and edge computing for supply chains

Cloud computing is the delivery of computing services, such as servers, storage, databases, software, analytics, and networking, over the internet. Cloud computing enables supply chain operations to access scalable, flexible, and cost-effective IT resources on demand, without having to invest in and maintain their own infrastructure. Cloud computing can also facilitate data integration, collaboration, and visibility across the supply chain network.

The goal of this thesis is to do an extensive systematic literature review on one of the above topics and to provide an overview of important scientific publications on this topic.

Key project tasks:

- Conduction of a systematic literature review
- Selecting relevant scientific literature
- Analysis and synthesis of the selected literature
- Identification of themes, debates and gaps in this research field
- Interpretation of the results of the literature review

Requirements:

The thesis is suitable for Bachelor in Management and Technology students with a focus on operations and supply chain management. The ability to work independently as well as analytical skills are required.

Earliest begin: March 2023

Supervisor: Tbd.

Application: Email with curriculum vitae and transcript of records to logtheses.log@mgt.tum.de