

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

Master thesis

on the topic

Audit Collaboration to Incentivize Supply Chain Sustainability

Auditing your suppliers is a common approach to incentivize sustainable behavior. Recently, however, companies start to collaborate in these auditing efforts, either through joint or shared audits. How do they distribute their efforts? How does the supplier react? And what are externalities from such collaboration?

This thesis analysis these questions in the context of supply chain sustainability. For this, a game-theoretic model will be developed and analyzed to model strategic interactions between supply chain actors. A focus of the analysis should be on managerial implications by identifying approaches to overcome drawbacks and address efficiency losses

Key project tasks:

- Literature review on relevant fields of study
- Development and analysis of a game-theoretic model
- Derivation of managerial insights

Requirements:

The thesis is suitable for Master in Management and Technology students with a major in operations and supply chain management. The ability to work independently as well as analytical skills are required. The thesis should be written in English, supervision is possible in German or English.

Earliest begin: as soon as possible

Supervisor: Alexander Bloemer

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