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The use of data enables a multitude of use cases in the context of Industry 4.0. However, in order to obtain and use the necessary data, additional expenses are necessary that can outweigh the benefits of the data usage. In the context of the thesis, a development and evaluation of use cases in production processes is to be carried out in order to subsequently conduct an effort-benefit analysis to quantify the added value of a cross-company data exchange within a supply chain.

Therefore, we now offer the possibility of writing a

Master thesis on the topic “Quantification of necessary efforts and potential benefits of cross-company data exchange”

Your tasks:

- support of a current research project,
- independent research of scientific texts and preparation of literature,
- development and evaluation of use cases in production processes
- identification and quantification of efforts and benefits,
- written documentation of the results.

Your skills:

- background in mechanical, materials, industrial engineering or economics or comparable disciplines
- independent, reliable and result-oriented way of working,
- good written and spoken English
- good knowledge of MS Office.

Your benefits:

- insights into a research project in cooperation with industrial companies,
- a possibility of scientific publication of research results,
- the opportunity for flexible time management, home office and independent work,
- room for creativity and your personal development,
- intensive supervision and scientific support

We are looking forward to your application! Apply now: apply-now.fir.de

If you have any questions, please do not hesitate to contact me:
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