



Topic

Interdisciplinary engineering is greatly influenced by the amount of necessary knowledge and the various views involved in the design process. Knowledge graphs are a promising technology for representing such knowledge formally and in an integrated way.

However, the interaction with knowledge graphs still poses a challenge for most domain experts. The goal of this thesis is to support those stakeholder by developing an appropriate visualization for engineering ontologies. The visualization should allow to easily choose the scope of what is depicted and highlight interdisciplinary dependencies.

Based on a literature research, you will compare different approaches and implement a prototype at hand of an intelligible use case.

Required skills

- Logical thinking
- Programming experience, preferably in python

