In your thesis, you will have the chance to evaluate different representation methods for text, such as word embeddings[^2], in the task of retrieving correct ICONCLASS codes from textual queries.

You will gain valuable experience in NLP and Information Retrieval techniques as well as provide fruitful insights on how to improve the current ICONCLASS text search system.

This thesis will be supervised by [Prof. Dr. Harald Sack, Information Service Engineering at Institute AIFB, KIT, in collaboration with FIZ Karlsruhe.](https://iconclass.org/)

[^1]: [https://iconclass.org/](https://iconclass.org/)

**Which prerequisites should you have?**
- Good programming skills in Python
- Knowledge of machine learning and NLP libraries (e.g., scikit-learn, NLTK)

It also helps if you have an interest or affinity with Art History or Cultural Heritage Contents

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