

Feature Identification from Construction Drawings by Deep Learning Algorithms

Project Characteristics

Modeling: ★★☆☆☆
Mathematics: ★★★★★
Programming: ★★★★★

Setting:

- Construction Drawings are for the most part still only available on paper and sometimes hand drawn
- For the human eye its easy to detect specific features and their semantics (walls, windows, dimensioning)

Your Tasks:

- Do a literature review on current deep learning technology and inquire on suitable libraries to be used for the given problem
- Implement a deep learning network to recognize and assign features from construction plans into a digital format
- Train and test the network with varying difficulty of input data

Note:

This project will be a joint work with students of the University of Applied Sciences with experience in deep learning.

