Dear Prof. Markus Gerke,

In this work, we aim to propose an end-to-end CNN architecture to realize semantic segmentation for high resolution aerial imagery. The architecture follows the encoder-decoder paradigm with a novel up-sampling block. This time, five channels of the Potsdam data are used for network training, namely NIR-R-G-DSM- nDSM and data augmentation is employed to mitigate overfitting. During inference stage, overlap inference is implemented to improve the inference results.

Looking forward to the evaluation results.
All the best!

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