# Brief Approach Description for the Vaihingen 2D Semantic Labeling Contest

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In this work, we utilize Deconvolution Network [1] combined with U-Net [2] as our supervised semantic segmentation model. Training data have five channels, including IRRG image, DSM data and NDSM data (Gerke supplied). During train stage, we perform randomly sampling sub-patches as mini-batch to augment training data. During inference stage, we use label voting strategy to improve inference results.

paper is coming soon...

## Reference:

[1] Noh H, Hong S, Han B. Learning deconvolution network for semantic segmentation [C]//Proceedings of the IEEE International Conference on Computer Vision. 2015: 1520-1528.

[2] Ronneberger O, Fischer P, Brox T. U-net: Convolutional networks for biomedical image segmentation[C]//International Conference on Medical Image Computing and Computer-Assisted Intervention. Springer, Cham, 2015: 234-241.