

Method Description for the 2D Semantic Labeling Contest

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In this work we make use of multi-model random forest (RF) classifier and full-CRF for 2D Semantic Labeling. First, 24 features (including color, texture, vegetation index, geometric, shape and context information) are extracted and used for training multiple RF classifiers. Then, classifiers are fused for labeling pixels by validation samples. Finally a full-CRF model is learned for smoothing the result.

The system is applied to the ISPRS 2D semantic labelling challenge dataset of Vaihingen.

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