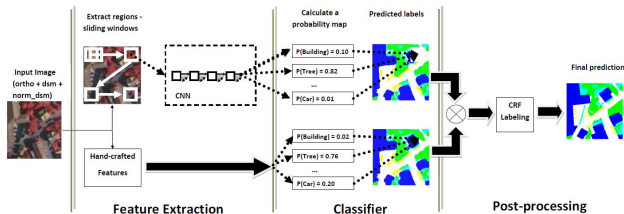


Effective Semantic Pixel labelling with Convolutional Networks and Conditional Random Fields

S. Paisitkriangkrai, J. Sherrah, P. Janney and A. VD. Hengel (CVPRWORK 2015)



- ▶ Effective semantic pixel labelling for aerial imagery
- ▶ Using CNN features, hand-crafted features and a Conditional Random Fields
- ▶ CNN and hand-crafted features are applied to dense image patches to produce per pixel class probabilities
- ▶ Pixel-level CRF infers a labelling that smooths regions while respecting the edges
- ▶ Combination boosts the labelling accuracy
- ▶ Evaluation on the ISPRS 2D semantic labelling challenge dataset