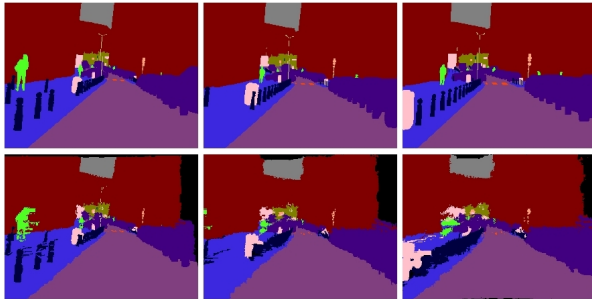# Label Propagation in Video Sequences
V. Badrinarayanan, F. Galasso and R. Cipolla (CVPR 2010)

- ▶ Labelling of video sequences is expensive
- ▶ Hidden Markov Model for label propagation in video sequences
- ▶ Using a limited amount of hand labelled pixels
- ▶ Optic Flow based, image patches based, semantic regions based label propagation
- ▶ Short sequences naive optic flow based propagation is sufficient otherwise more sophisticated models necessary
- ▶ Evaluation by training Random forest classifier for video segmentation with ground truth and data from label propagation