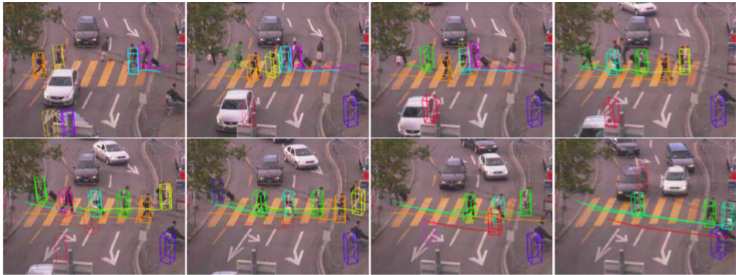# Coupled Object Detection and Tracking from Static Cameras and Moving Vehicles
B. Leibe, K. Schindler, N. Cornelis, L. V. Gool (PAMI 2008)

- Builds an integrated system for dynamic 3D scene analysis from a moving platform
- Presents a novel approach for multi-object tracking integrating recognition, re-construction & tracking in a collaborative framework

- Contributions:
    - Uses SfM to estimate scene geometry at each time step
    - Uses recognition to pick out objects of interest & separate them from the dynamically changing background
    - Uses the output of multiple single-view object detectors & integrates continuously reestimated scene geometry constraints
    - Uses tracking for temporal context to individual object detections

- Evaluates on 2 video sequence datasets introduced in the paper