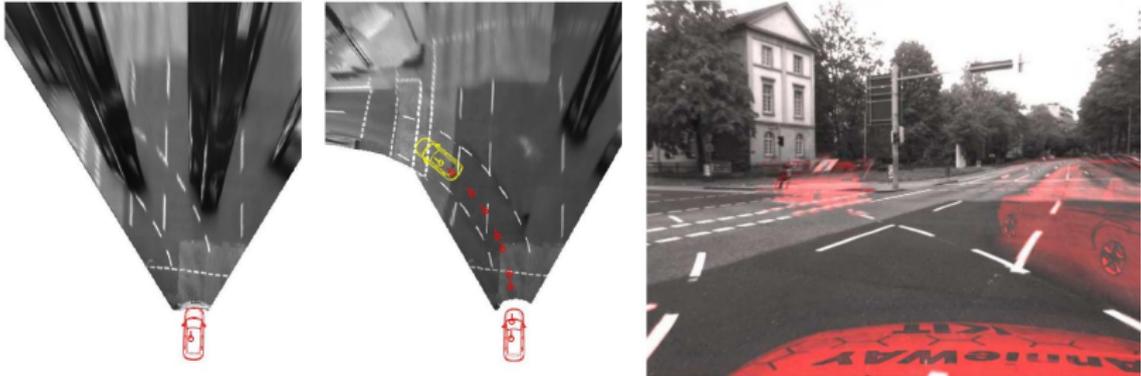# Monocular Road Mosaicing for Urban Environments
A. Geiger (IV 2009)

- Marking-based lane recognition require unobstructed view onto the road which usually is not possible due to traffic
- Multi-stage registration procedure for road mosaicing in dynamic environments
- Approximating the road surface by a plane allows to use homographies for the mapping from one image to another
- Picking a subset as keyframes to reduce error accumulation and save computational power
- Road segmentation using optical flow on Harris corners
- Combine road images using multi-band blending to remove artificial edges