- > Appropriate data cost functions necessary for outdoor challenges like shadows, reflections
- Evaluation so far
 - certain types of data costs
 - data without outdoor challenges
- Contribution
 - Systematic evaluation of pixel- and patch-based data costs (Brightness constancy, normalized cross correlation, mutual information, census transform)
 - Approximation of census transform for gradient-based methods
 - Unified state-of-the-art testbed
 - Evaluation on realistic KITTI dataset
- On real world data patch-based perform better than pixel-based costs
- Census transform slightly outperforms all others