Mini-SLAM: Minimalistic Visual SLAM in Large-Scale Environments Based on Image Similarity

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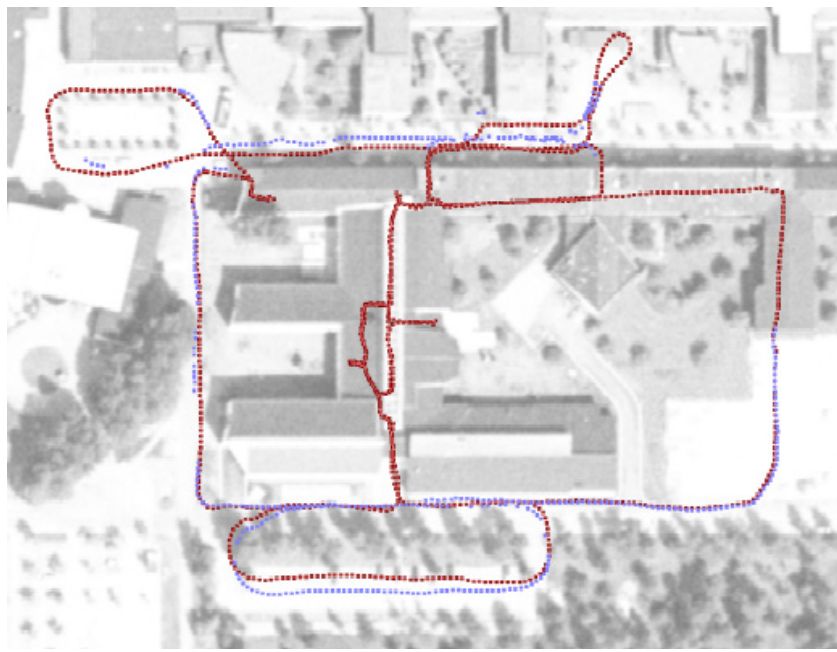
- Vision based SLAM using Omni-directional images and odometry
- Minimialistic with regards to computation and hardware requirements
- Estimation of visual landmark positions not needed
- Consistent maps in a large environment (path length: 1.4 km) with indoor and outdoor passages



Aerial image together with the estimated path