De-noising, Stabilizing and Completing 3D Reconstructions On-the-go using Plane Priors

# 3D Reconstruction targeted at offline use

#### 1~6

# 3D Reconstruction with SDF

#### 1

#### 7

#### 3

#### 2

#### 8

#### 9

#### 6

#### 5

#### 4

# Incorporating geometric priors

### Plane segmentation

###### RANSAC 10

###### Region-growing 11~14

###### 15

###### AHC16

###### 17

###### 18

###### Most related 14

# 3D Reconstruction Pipeline

#### CHISEL 4

# Plane segmentation