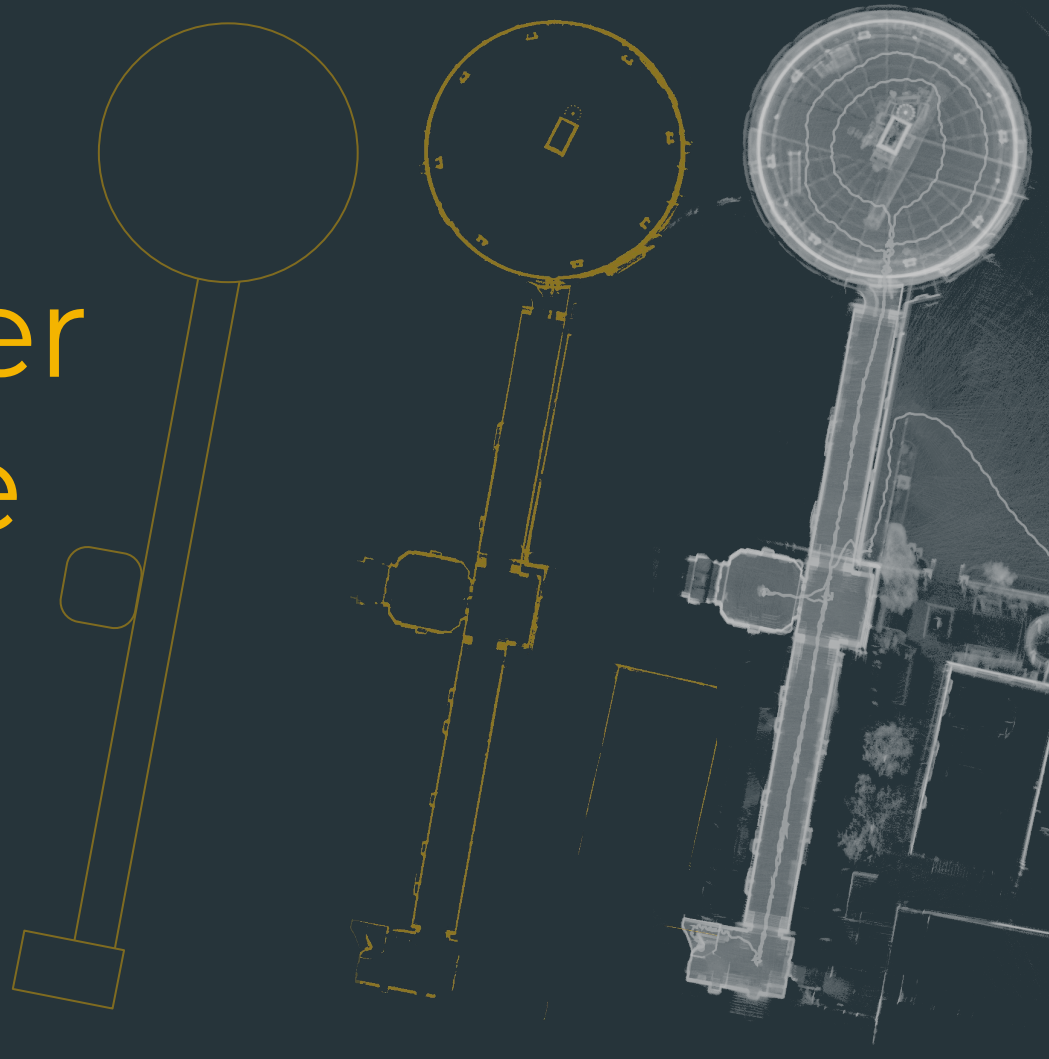


# 27th Cartographer Open House

Thursday, October 25th, 2018



# Windows CI

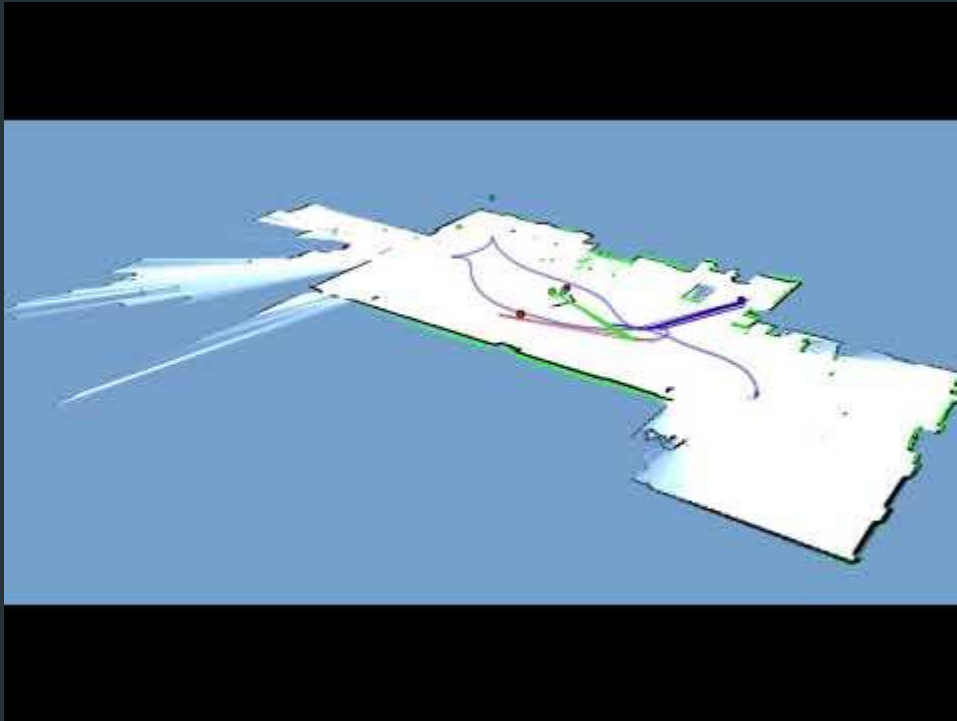
Lou Amadio (Microsoft) will add Windows CI for cartographer\_ros repo.

Only for monitoring the status of the build, NOT as a part of presubmit.



# ROS bag with landmarks

```
wget https://storage.googleapis.com/cartographer-public-data/bags/mir/landmarks\_demo\_uncalibrated.bag  
roslaunch cartographer_mir offline_mir_100_rviz.launch bag_filename:=${HOME}/landmarks_demo_uncalibrated.bag
```



# Bug fixes and tweaks

## cartographer

- Fix virtual destructors (#1453)
- Enable -Wthread-safety for Clang and CMake. (#1403)
- [ABSL] Use flat\_hash\_set instead of unordered\_set. (#1442)
- Increase gRPC timeout for AddTrajectory (#1426)

## cartographer\_ros

- Remove orphaned function in occupancy\_grid\_node\_main.cc (#1034)
- Remove deleted trajectories from submaps display. (#1065)
- Only use ROS log sink in pbstream\_map\_publisher\_main.cc (#1040)
- Fix submap pose marker toggling. (#1019)



Thanks.

Next Open House:  
**November 22th, 5pm CET**

If you would like to present anything next meeting, please reach out to [cschuet@google.com](mailto:cschuet@google.com)



# Point Cloud Viewer

- Adds a new coloring made for X-Rays: color by z stddev. (#163)
- Update protobuf, grpcio and clap (#161)
- Add frustum query in octree and frustum query client (#156)
- Refactor octree generation (#153)

