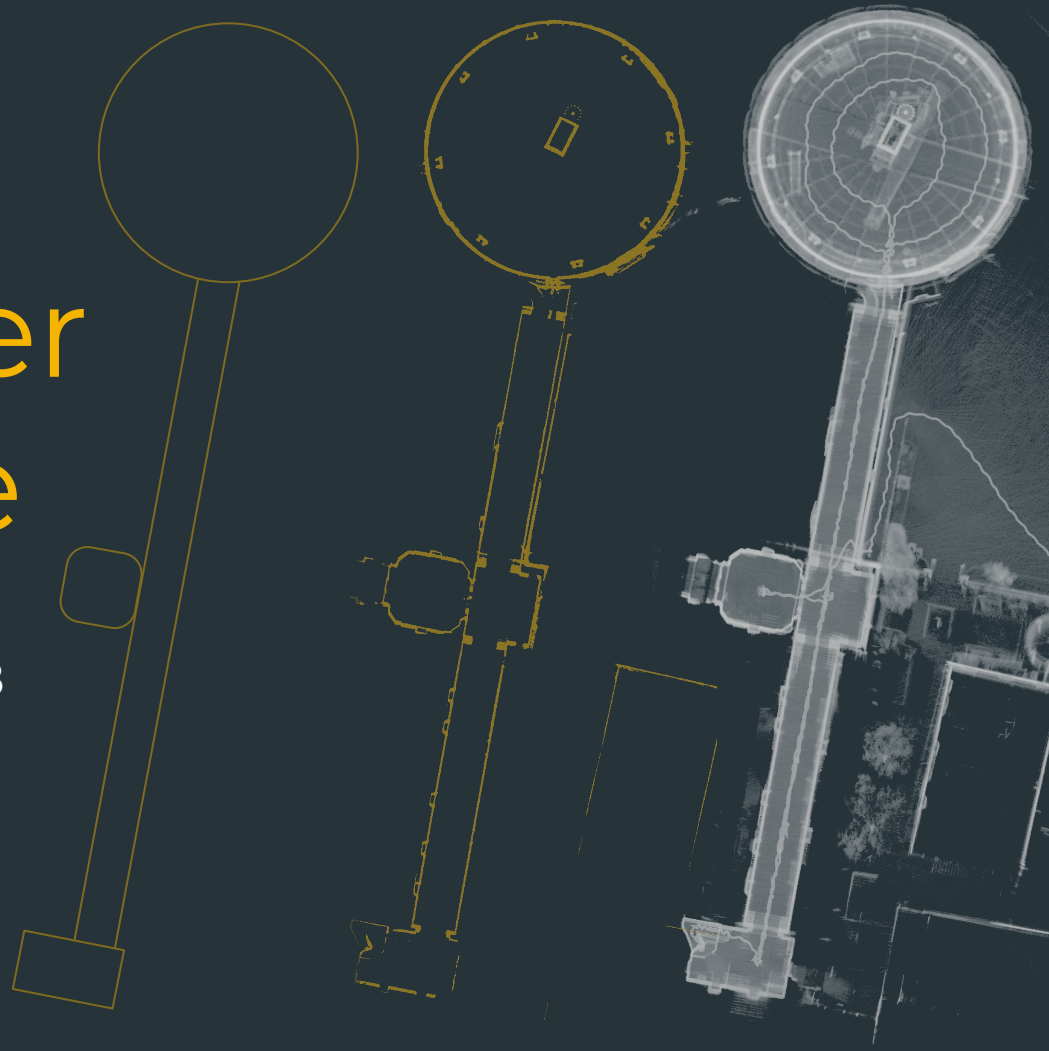


26th Cartographer Open House

Thursday, September 13th, 2018



Graceful uplink and LocalTrajectoryUploader

Cartographer

- Graceful LocalTrajectoryUploader::AddTrajectory (#1409)
- Fix LocalTrajectoryUploader recovery (#1415)
- Recover gRPC channel from connection dropouts. (#1406)
- Include all trajectory nodes when serializing without unfinished subm
- Support gRPC requests for loading unfrozen states. (#1379)



Histogram in Submap

Cartographer

- Store histogram in submap (#1277)
- Store histogram in submaps: prepare for backward compatibility (#1405)



Tracing in asynchronous gRPC

async_grpc

- Wrap Opencensus tracing in interface. (#38)
- Add OpenCensus Tracing support (#33)
- Add Finish(grpc::Status) to RpcHandler::Writer (#34)
- Propagate Status from Writer to Span (#39)
- Deflake client_test.cc (#40)
- Set no tracing for default build target (#41)



Point Cloud Viewer

Point Cloud Viewer

- Refactor web viewer for reuse and rename it to be more distinct (#149)
- Fix a bug in octree server: it never send the last few points. (#150)
- Actually stream points in the grpc server. (#146)



Tweaks and fixes

Cartographer

- Fix gravity alignment of submaps in local SLAM (#1398)
- Move OverlappingSubmapTrimmerOptions to PoseGraphOptions (#1408)
- Replace token file with Google auth in MapBuilder. (#1417)

Cartographer ROS

- Adding generic parametrizable offline_node.launch (#983)
- Add --load_frozen_state to node_grpc_main.cc (#973)



Current work

- Generic Pose Graph
- Robust gRPC uplink
- RFC: Push Docker Images to Docker Hub

<https://github.com/MichaelGrupp/rfcs/blob/docker-push/text/0000-use-docker-hub.md>



Placeholder for other status reports



Thanks.

Next Open House:
October 11th, 5pm CEST

If you would like to present anything next meeting, please reach out to cschuet@google.com

