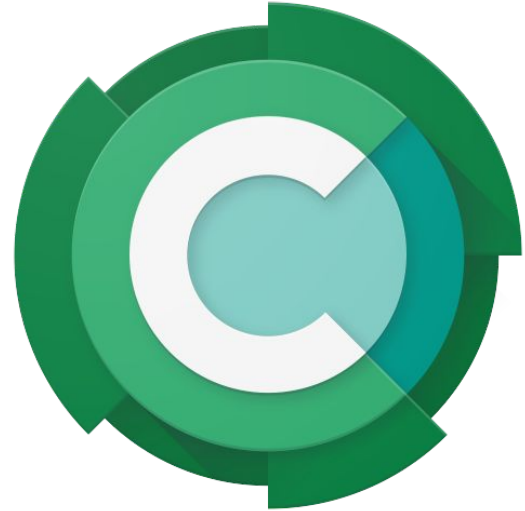


Cartographer Open House X

November 23, 2017



What landed on master? • cartographer

- Serialize IMU data. ([#548](#))
- Switch to Proto3 ([#641](#), [#644](#), [#653](#), [#660](#))
- Change odometry_data_ to MapByTime. ([#655](#))
- Change fixed_frame_pose_data_ to MapByTime. ([#662](#))
- Serialize odometry data ([#666](#))
- Add local SLAM result callback. ([#574](#))
- Lots of renames ([#675](#), [#676](#), ... [#680](#))
- Performance improvements for local SLAM ([#668](#), [#681](#), [#694](#), [#693](#))
- Lots of other great stuff...

What landed on master? • `cartographer_ros`

- Increase 3D global localization score threshold. ([#587](#))
- Use LocalSlamResultCallback for trajectory states ([#594](#))
- Adds a binary that can generate PGM/YAML from a .pbstream. ([#604](#))
- Lots of other great stuff...

What landed on master / pending PRs? • `rfcs`

- Committed: proto3 switch-over RFC ([#3](#))
- Committed: RFC to rename sparse pose graph. ([#5](#))
- Committed: Cloud-based mapping RFC. ([#7](#))
- Committed: RFC for internal header files. ([#8](#))
- Pending: Improved handling of multiple trajectories and bags in the offline node
- Pending: Reconsider the role of odometry in the 2D optimization problem

Current work

- Collaborative, Cloud Based Mapping
- Per-Point Unwarping

Placeholder for other status reports

Thanks!

Next Open House:
December 7, 5pm CET (8am PT)

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