What landed on master? • cartographer

- Notable bugs fixed: previous pose (#367)
- Quality improvements:
  - IMU orientation estimation (#361).
  - Multi-res scan-matching (#374).
- Cleanups: No webp (#358), Removed options (#360), dead code (#368, #384, #385), no more Kalman filter (#378), Grow 2D submaps as needed (#387)
- Finished submap deletion (from beginning of trajectory).
- Progress on lifelong (#376, #380, #382, #381, #389)
What landed on master? • cartographer_ros

- Live data demo (SLAM and pure localization) for Fetch/Freight.
- Asset writer is now multi trajectory aware (#394, #395).
- Constraints visualization (#375).
- Pure localization demo (#410).
- Notable bug fixes: delay messages (#406), build fixes (#396)
Demo • Pure localization from serialized map

[YouTube link]
What landed on master? • point_cloud_viewer

• Bug fixes.
Current work

- Serialization of in-memory state (#253)
- Port pure localization to 3D
- Smarter global localization (#329)
- Cleanups
Placeholder for other status reports
Help wanted!
Thanks!

Next Open House:
July 20, 5pm CEST (8am PST)

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