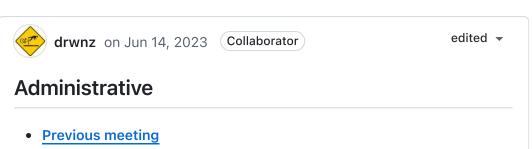


Perception and Sensing WG Meeting 14/06/2023 #3577

drwnz started this conversation in Working group meetings



• Meeting time: Every second Wednesday, 10am UTC (alternating with

Attendees

▼ Chaired by David

Mapping WG)

WG Google Drive

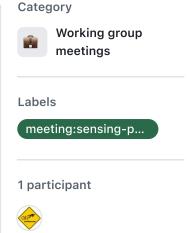
- Kenzo Lobos
- YoshiRi
- Alexey Panferov
- Ryohsuke Mitsudome
- Yusuke Muramatsu
- Kaan Çolak
- Armağan Arslan
- Sunsuke Miura
- Akihito Ohsato
- Rick
- Mark

Agenda

- Introduction of new attendees
- Progress report on Completion of Sensing & Perception
 Documentation
- Progress report on Universal Lidar Driver
- Review of Project Board and assignment

Discussion topics

- Welcome Mark and Rick from Foxconn
 - Joining various WG to get an overview of Autoware activities
 - Working on ADAS functions from L2 to L4



- Progress report on Completion of Sensing & Perception
 Documentation
 - No update this week
- Progress report on Universal Lidar Driver https://github.com/tier4/nebula

Discussion on point types which is also relevant: Link

About changing point types in Autoware:

- Large changes in one sweep are difficult
- Fatih: suggest going with transitional approach, and create a converter node for the new point type
- David: Nebula supports legacy types and publishes in parallel with new type, but converter still required for old data (not captured as packets but points)
- Project board
 - feat(pointcloud_preprocessor): separate concatenate filter node and output synchronized pointcloud autoware.universe#3312
 - Time sync separated from concatenation of point clouds, with performance benefits
 - Synchronizer can only be used for pointcloud messages
 - LeoDrive also working on synchronizer as part of the LiDAR driver (working on Velodyne-VLS)
 - ML based Occupancy autoware.universe#3607
 - Model has been updated, next week can share some training results
 - I feat(traffic_light): improved traffic_light_map_based_detector and new traffic_light_fine_detector package autoware.universe#3442
 - Adds multi-camera fusion package
 - After merge, traffic light status will be for intersection rather than individual lights
 - Mitsudome-san: This is a very large PR, and should be split into several

Action items

Announce formation of working group on ROS Discourse
Announce Nebula (universal sensor driver) open source release
 Summarize current documentation for Sensing & Perception documentation
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0 comments