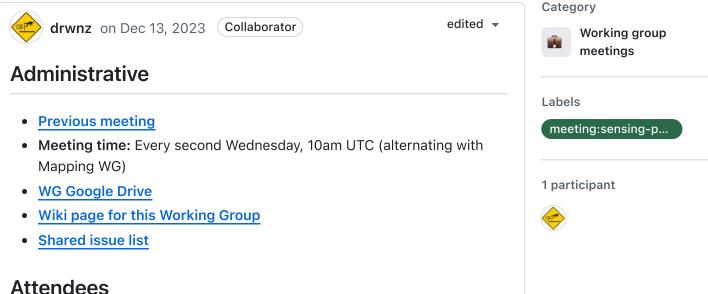


Autoware Sensing Perception Working Group Meeting 2023-12-13 #4059

drwnz started this conversation in Working group meetings



▼ Chaired by David

Kenzo

Dai

Fatih

Armagan

Kaan

Jeremy

Berkay

Mehmet

Shunsuke

7iri

Agenda

- Introduction of new attendees
 - Think Autonomous
- Review of Issue List and assignment
- Review of Project Board and assignment

Discussion topics

- Presentation from Think Autonomous
 - Armagan: Can you somehow use Autoware as a benchmark? We also have Autoware Challenge, could this be of interest to your
 - students? Jeremy: should be possible with some guidance on Autoware.

Currently working with isolated content and specific algorithms.

- David: have you looked into Autoware for education? Do you use ROS2?
 - Jeremy: For integration, need a platfrom and Autoware looks promising for that. There is a course for ROS2.
- Review of Issue List and assignment
 - Nebula:
 - Fatih: still planning on getting rid of packets message?
 - David: under going development now
 - Fatih: currently using PCL library type for storing pointcloud, needs to be converted to ROS message. Instea of PCL, should use published message type. Fatih to create issue.
- Software working group discussion (Armagan): link
 - o Basically comparing what we have vs what others have
 - o Fatih: Want to transition into obstacle_cruise_planner
 - Aramagan: perception doesn't work well enough
 - Miura: biggest issue is unknown detections for small objects and mis-detections for traffic signs etc then maybe the planner can use the perception results more effectively
 - We can use our current architecture and change some nodes to be more efficient and higher performance
 - Armagan: also perception is slow, a main goal for next year, and also add new classes including undrivable areas
 - Short version: shift to obstacle_cruise_planner with automated braking
 - Fatih will create issues to tackle the perception problem
 - Fatih: create simple solutions first
- New Autoware Bot by Fatih, for helping with Autoware questions on Discourse: link
 - Powered by ChatGPT
- Review of Project Board and assignment

Action items

Fill in Wiki page: https://github.com/autowarefoundation/autoware
projects/wiki/Autoware-Sensing-Perception-Working-Group

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0 comments