

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

drwnz started this conversation in **Working group meetings**



drwnz on Dec 13, 2023

Collaborator

edited ▾

Administrative

- [Previous meeting](#)
- **Meeting time:** Every second Wednesday, 10am UTC (alternating with Mapping WG)
- [WG Google Drive](#)
- [Wiki page for this Working Group](#)
- [Shared issue list](#)

Attendees

▼ Chaired by David

Kenzo
Dai
Fatih
Armagan
Kaan
Jeremy
Berkay
Mehmet
Shunsuke
Ziri

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.

Category



Working group meetings

Labels

meeting:sensing-p...

1 participant



- David: have you looked into Autoware for education? Do you use ROS2?
 - Jeremy: For integration, need a platform 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. Instead of PCL, should use published message type. Fatih to create issue.
- Software working group discussion (Armagan): [link](#)
 - Basically comparing what we have vs what others have
 - 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
 - Aramagan: 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