

Autoware Sensing Perception Working Group Meeting 2024/10/16 #5340

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



drwnz on Oct 16

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

- Koji
- Fatih
- Shintaro
- Amadeusz
- David Walmroth
- Kok
- Kenzo

Agenda

- Introduction of new attendees
 - Welcome Kok Seang!
- Review of [Issue List](#) and assignment
- Review of [Project Board](#) and assignment
- AWSIM labs
- RTMDet: [Implement RTMDet to Perception Pipeline](#) [autoware.universe#7235](#)

Discussion topics

- AWSIM Labs
 - Amadeusz: If we can request and update of the map with intensity, is this out of the scope of the working group?

Category



Working group meetings

Labels

meeting:sensing-p...

1 participant



- Fatih: I think it is doable. There will be a discussion in TSC about whether AWSIM Labs will continue, so it mostly a resource issue.
 - Please add an issue to the AWSIM Labs: <https://github.com/autowarefoundation/AWSIM-Labs/issues>
- We were going to develop in parallel with the general AWSIM and compare progress, then merge in TIER IV AWSIM - but there is some resistance
- Right now, VRAM usage with AWSIM Labs is much lower than AWSIM
 - https://docs.google.com/presentation/d/1s3J2VGpPYokP23sk6yebnc4FurFtthD1P0TNPwER7_o/edit#slide=id.p30
- RTMDet
 - https://docs.google.com/presentation/d/1s3J2VGpPYokP23sk6yebnc4FurFtthD1P0TNPwER7_o/edit#slide=id.g309d5a94011_8_79
 - Performance is much better than YOLO
 - Mask cluster fusion also has inherent advantages over ROI cluster fusion
 - David: the size of the PR makes it difficult to review
 - Fatih: By requesting unit tests and automated code quality testing to reduce the review load
 - Problem with testing pipeline, we currently can't test anything on the GPU
 - Minoda: current launcher is complex, so adding a new feature to that adds to the complexity
 - Proposal from Fatih: <https://github.com/orgs/autowarefoundation/discussions/5313>
 - Let's discuss at the next WG meeting after a review from attendees
 - Amadeusz: how long does the unifying take?
 - It's very fast, uses the python API of existing launch system and Jinja2 to recreate as a single xml. It will then be faster to launch (as it's a single launchfile)

Action items

- []

↑ 1

0 comments