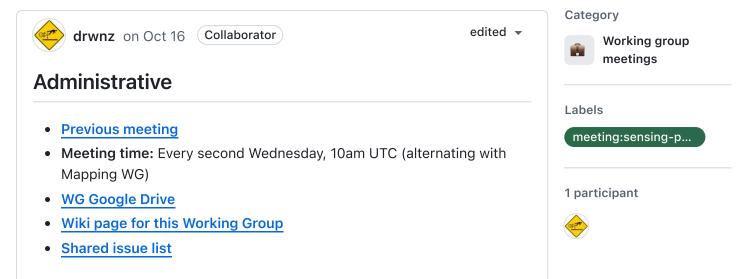


# Autoware Sensing Perception Working Group Meeting 2024/10/16 #5340

drwnz started this conversation in Working group meetings



## **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 <u>Project Board</u> and assignment
- AWSIM labs

## **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?

- 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/1s3J2VGpPYokP23sk6y
    ebnc4FurFtthD1P0TNPwER7\_o/edit#slide=id.p30

#### RTMDet

- https://docs.google.com/presentation/d/1s3J2VGpPYokP23sk6yebn c4FurFtthD1P0TNPwER7\_o/edit#slide=id.g309d5a94011\_8\_79
- Performance is much better than YOLO
- Mask cluster fusion also has inherent advantages over ROI cluster fusion
- o 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**

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#### 0 comments