Software WG Meeting 2024/07/16 #4994

mitsudome-r started this conversation in **Working group meetings**

mitsudome-r on Jul 16   Maintainer   edited ▾

Administrative

- Past Meeting Minutes

Common Resources

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Category

💼 Working group
meetings

Labels

meeting:software-wg

1 participant

Attendees

Chaired by Ryohsuke

R Ryohsuke Mitsudome (Host, me)

AE Ahmed Ebrahim

AP Ata Parlar

BK Berkay Karaman

BK Berkay Karaman / Leo Drive

BN Beyza Nur Kaya

BN Beyza Nur Kaya

BN Beyza Nur Kaya

BN Beyza Nur Kaya

B Bonolo

EF Esteve Fernandez (TierIV)

JS Jun SASAKI / TIER IV

KS Khalil Selyan

LL lucas liu(autocore.ai)

LC Lukasz Chojnacki (Robotec.ai)

M. Alptuğ Cırıt

M. Fatih Cırıt

S Sujay Amberkar

Youtalk Kondo / TIER IV

İA İsmet Atabay

Autoware.Universe

- PRs waiting for review not in the current milestone/high priority.
- Autoware.Universe reported bugs not in the current milestone/high priority.
- Autoware design discussions and demos

Discussions

Announcements

Updates from developers

- Sujay:
  - ✅ **[Add feature to spawn NPC from RVIZ](#)** AWSIM-Labs#65
  - Initial implementation is done
  - The spawned object will only collide with ground and not with other objects
  - Berkay: Does it support interactive mode? -> No.
- Ahmed:
  - ✅ **[\[Dense-Urban-ODD\] Intersection module is not triggered for low speed NPC](#)** autoware.universe#7080
    - Discussed with Berkay and Soblin.
    - ⑂ **[fix(min-velocity-map-based-prediction): reduce min_velocity_for_map_based_prediction](#)** autoware_launch#994
      - waiting for approval.
      - **@mitsudome-r** to write comment to **@kminoda**
      - **@ahmeddesokyebrahim** also will add background of the activity in the issue.
  - ✅ **[\[Dense-Urban-ODD\] Improve cruise planner safe distance when cruising a front npc](#)** autoware.universe#7922
    - We should talk in ODD WG & Planning WG about what would be the best criteria to evaluate the distance to the vehicle driving in front.
  - ✅ **[\[Dense-Urban-ODD\] Improve cruise planner slowing down capabilities to overtaking NPC](#)** autoware.universe#7877
    - Ahmed retest with updated scenario
- Ata
  - ✅ **[Collect Urban Dataset for Autoware and Autoware Labs](#)** #4725
    - Leo Drive is going to take another data with the same route.
  - He will continue working on LOAM localization Task 4,5
- Berkay
- ✅ **[\[Dense-Urban-ODD\] Enhance Cruise Planner's Responsiveness to Other Road Users](#)** autoware.universe#7864
  - Writing up the PR to present in the planning WG.
  - After the modification, is Autoware still able to stop for the vehicle that is decelerating instead of driving in constant velocity.
- Berkay wasn't able to reproduce the slow down issue that Fatih saw last week.
- Beyza
  - ✅ **[Dynamic_obstacle_avoidance does not work stable](#)** autoware.universe#7689
  - The issue is due to perception module generating predicted path at the centerline of the lane.

- Beyza will create an issue on prediction to generate a better predicted path for detected vehicles that drives with some offsets to the centerline.
- Esteve
  - Continue to work on nodes other than Perception modules
- Jun
  - Continue working on https://github.com/orgs/autowarefoundation/discussions/4958
  - ⊙ [Autoware Labs] Dense Urban ODD - Reviewing and Tracking Failed Scenarios autoware.universe#7485
- Khalil
  - ⊙ Improve RViz UI - Adding 2D Minimap autoware.universe#6815
  - Adding a fix to support route that goes beyond the visualized minimap tile.
- Lucas
  - ⊙ Implementing BEVDet in Autoware #4635
    - AutoCore will be training against TIER IV dataset and evaluate the performance
    - Investigated CUDA version. Right now they are using 11.6
    - We should test with CUDA 12.x
      - They will consider updating code to 12.3
  - https://github.com/orgs/autowarefoundation/discussions/4611
    - Created the repository for simpler sensor configuration
- Lukasz
  - ⦚ feat: enable multi scene setup AWSIM-Labs#96
- Alptug
  - Integrating VPP to AWSIM
    - mitsudome-r: Have you check the license term? -> https://assetstore.unity.com/packages/tools/physics/vehicle-physics-pro-community-edition-153556. It uses the standard Unity license so it should be okay with our usage.
  - Made fix on the delay with AWSIM when sensors are toggled. ⦚ fix: lidar simulation timer synchronization AWSIM-Labs#107
- Fatih
  - Continue working on the updates given last week
  - build-and-test-differential (cuda) is back to required again with no-cache.
- Ismet
  - Work on real vehicle testing
  - Ismet will create an issue on Autoware Labs

Distribution of new tasks

Action Items

- Developers to add their discussion items to the agenda for the next meeting
- Developers to share updates on their works in the next meeting

↑ 1

0 comments