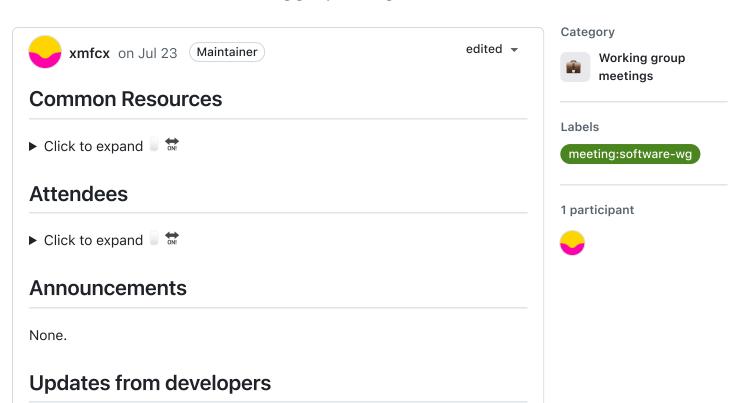


# Software WG Meeting 2024/07/23 #5025

xmfcx started this conversation in Working group meetings



- Jun Su (From MIIVII TECH)
  - o Ported Autoware to Jetson AGX Orin, trying to improve performance
- Sergio Rojas
  - Here to audit the meeting
- @meliketanrikulu
  - Improve Roll and Pitch estimation in Localization autoware.universe#6993
  - fix(ekf\_localizer):
     add\_delay\_compensation\_for\_roll\_and\_pitch autoware.universe#
     8095
  - Waiting for review
- @sasakisasaki
  - Semantic versioning for repositories in the autoware.repos #4958
  - Let's create a list of tests to be made before a release and add it to the documentation (from mfc)
- @ismetatabay & @NilaySener
  - <u>Test Autoware.Universe Modules in a University Campus</u> <u>Environment</u> autoware.universe#8114
  - Test Results of the Autonomous Emergency Braking (AEB) Module in Real Life #5020
- @ataparlar
  - Collect Urban Dataset for Autoware and Autoware Labs #4725
    - will add it to <a href="https://autowarefoundation.github.io/autoware-documentation/main/datasets/">https://autowarefoundation.github.io/autoware-documentation/main/datasets/</a>

 LOAM Based Localization Task 4 - Implement feature matching autoware.universe#7452

#### @beyzanurkaya

- Adjust the predicted path of the object to follow the direction of traffic flow in bi-directional lanes autoware.universe#8073
- \$\frac{1}{6}\frac{1}
- https://github.com/fzi-forschungszentruminformatik/Lanelet2/blob/master/lanelet2\_core/doc/LaneletAndAreaT agging.md#directionhttps://github.com/orgs/autowarefoundation/discussions/4130#discussioncomment-8578418 (from@ahmeddesokyebrahim)

### • @StepTurtle

- • Implement RTMDet to Perception
  Pipeline autoware.universe#7235
- \$\frac{1}{1}\frac{\text{feat(autoware\_tensorrt\_rtmdet): add tensorrt rtmdet}}{\text{model}} \text{ autoware.universe} #8165
- **listing feat (image\_projection\_based\_fusion): add instance segmentation fusion** autoware.universe#8167
- Concatenation Filter Analysis autoware.universe#6812

## • @mozhoku

• **\$\frac{1}{2}\$ feat: VPP CE Integration** AWSIM-Labs#116

#### @SujayAmberkar

- Add feature to spawn NPC from RVIZ AWSIM-Labs#65
- Feat: spawn npc from rviz AWSIM-Labs#118 merged.
- https://autowarefoundation.github.io/autowaredocumentation/main/tutorials/ad-hoc-simulation/planningsimulation/#placing-dummy-objects
- we can support interactive mode next

#### @ahmeddesokyebrahim

- [Dense-Urban-ODD] Intersection module is not triggered for low speed NPC autoware.universe#7080
  - \$\frac{\text{fix(min-velocity-map-based-prediction): reduce}}{\text{min\_velocity\_for\_map\_based\_prediction}} \text{ autoware\_launch#9} \text{94}
- • [Dense-Urban-ODD] Improve cruise planner safe distance when cruising a front npc autoware.universe#7922
  - fix(obstacle\_cruise\_planner): add separate parameters for cruise and stop margins autoware.universe#8166
  - its (obstacle\_cruise\_planner): add separate parameters for cruise and stop margins autoware\_launch#1089

#### @brkay54

- [Dense-Urban-ODD] Enhance Cruise Planner's
   Responsiveness to Other Road Users autoware.universe#7864
- Le feat (obstacle\_cruise\_planner): improve stop and cruise behavior for cut-in & out autoware.universe#8072

#### @KhalilSelyan

- O Improve RViz UI Adding 2D Minimap autoware.universe#6815
- 17 feat: new minimap overlay autoware.universe#7151

- Feat: add color customization to gear speed mission speed
   limit and traffic displays autoware.universe#8142
- We'll look into the arcgis licensing terms for the tiles.



# 0 comments