

## Autonomy Software WG Meeting 2022/05/10 #2565

Category

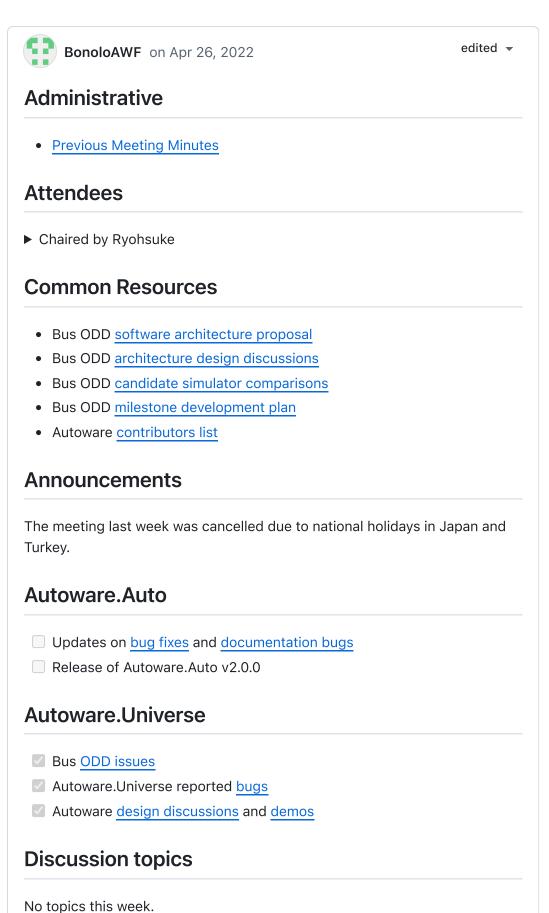
Labels

1 participant

Working group meetings

meeting:software-wg

BonoloAWF started this conversation in Working group meetings



## **Action Items**

- @armaganarsIn to create a Discussion for investigating radar in Autoware when he receives a new radar from SmartMicro -> He will do it once he receives the device.

## **Review of Issues and Discussions**

The following Issues and Discussions were reviewed (see comments for details):

- Potential collision risk with long obstacles autoware.universe#833 in progress
- The output of the gnss\_poser package is not suitable for ekf autoware.universe#800 - we can either create a new msg or use 2 separate msgs. The msgs for localisation will be discussed in the Architecture WG meetings
- Choose GPU device before running tensorrt\_yolo 2D detection node autoware.universe#736 - there is an existing API to select a device but tests are required on a machine with multiple GPUs
- Add another crop\_box\_filter node autoware.universe#703 in progress
- Collect rosbag of sensor data for camera autoware.universe#680 this will be split into smaller issues by Fatih
- <u>Implement any missing calibration tools</u> autoware.universe#679 the opensource calibration tool needs to be tested on a rosbag
- Ground segmentation fails for points behind the low objects autoware.universe#669 - the rosbag will be split into smaller size since the bug occurs somewhere near the start so it is tricky to reliably reproduce
- feat(control\_performance\_analysis): add new functionalities to evaluate the control modules autoware.universe#659 - Ali will review this again
- Create speed\_bump behavior module autoware.universe#611 in progress
- Review of the processing of <u>turn\_signal\_decider</u> autoware.universe#605 - solution appears to have been merged
- Implement sensor drivers for ROS 2 autoware.universe#551 ITRI can confirm which sensors still require ROS 2 drivers
- Wrong path planned by avoidance module in a special case autoware.universe#706 - in progress

- <u>the "crop\_box\_filter" can cause error in the subsequent</u> module. autoware.universe#705 - in progress
- Problems when add NPC to the scenario editor autoware.universe#558 - closed
- Fix errors of clang-tidy-differential autoware.universe#456 low priority
- unit test of trajectory follower sometimes fails
   ramdomly autoware.universe#432 closed (related to
   Feature/dataprocessor #649)
- Modified scan2image & calibration\_test for calibration\_publisher node #101 - Robotec will provide artificial dataset of a large pointcloud to test
- Runtime Manager, update for immediately reflection of sys CPU setup #279 TomTom has open sourced their tool for converting from HD Map (TomTom AutoStream) to Lanelet 2 format required by Autoware. The conversion is offline even though AutoStream supports live map updates. Autoware does not yet support online updates of maps.
- **Duple of the Second Second**
- Add synchronization system for perception #234 TSC decision
  was to use the TierIV simulator as the default for the bus ODD. The
  simulation working group will continue to investigate Carla and MORAI
  Sim performance and suitability for use with Autoware.

**1** 

## 0 comments