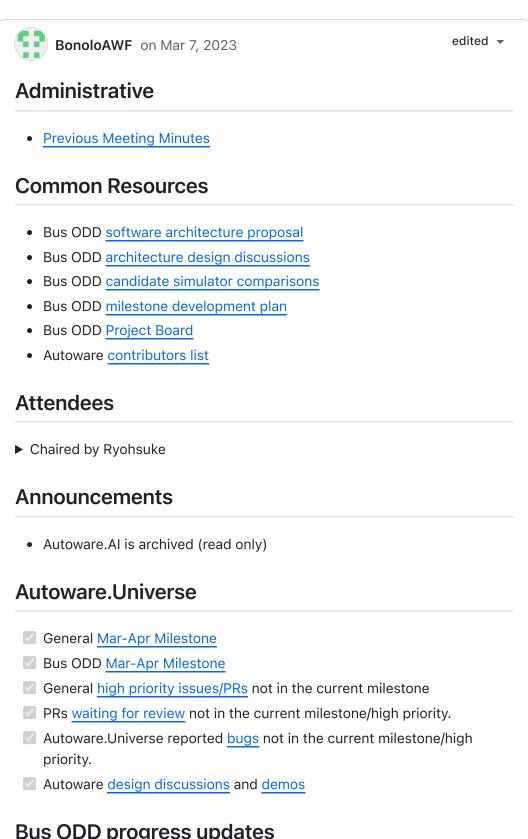
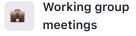


Software WG Meeting 2023/03/14 #3320

BonoloAWF started this conversation in Working group meetings



Category



Labels

meeting:software-wg

3 participants







Bus ODD progress updates

ITRI bus integration update (In meetings with 7am UTC time slot)

- See meeting notes in comments below.
- Lucas offered to assist ITRI with Autoware integration technical issues

Discussions

Next Roadmap (Ryohsuke)

- Bus ODD demo clean-up will begin in preparation for the release.
- Long term goal for Autoware is robo-taxi 2025
- Next roadmap will focus on:
 - o feature development on Autoware
 - WGs will drive development of the roadmap (similar to Open Robotics roadmaps)
 - roadmap list will be shared on Discord. The list is not feature requests but ownership (someone should take the lead to develop the feature)
 - o please add tasks and owners to the list

Demos

Demo1

Action Items

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Review of Issues and Discussions

The following Discussions and Issues were highlighted:

- https://github.com/orgs/autowarefoundation/discussions/3325 Kasper and Ambroise will take the lead in implementing this propsal
- Vehicle starts move before the steering angle converged autoware.universe#1543 - ongoing
- behavior_path_planner generating invalid path orientation autoware.universe#2125 - PRs ready for review
- Vehicle stops in front of speed bump autoware.universe#2661 closed
- Autoware parks inappropriately on parking lot autoware.universe#2991 - assigned to AutoCore

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3 comments · 1 reply

Oldest

Newest Top



Meeting minutes - AWF/ITRI Bus ODD 9 March 2023

• Present: Huei-Ru, Fatih, Bonolo, Ryohsuke, Samet, Mike, Yi Ling, Xinyu

Progress on fixing localisation issues

- Mike shared rosbags with Fatih (who will try to replicate the issues)
- Downsampling in EKF filter could be the cause of some of the issues

New bus platform

- Bus platform has changed
 - Platform and modules are the same on the new bus
 - Physical computers were moved to the new platform
 - Sensor configurations are almost identical, number of sensors are the same. Sensor calibration is required
 - BMS upgrade is completed. Renovation of interior is ongoing (bus to be delivered to ITRI after renovations)

Timelines (see slides for details)

- Internal renovations (March)
- Power distribution (April)
- Sensor and IPC integration (April)
- Autonomous integration (May)
- Bus ODD demo (August)

Possible options (Huei-Ru)

- Option 1: medium size bus running ROS 1 on a public road
- Option 2: Long 12m bus running ROS 1 (with ROS 2 Docker for some modules) on ITRI campus
- Option 3: Upgrade new bus platform to ROS 2 and demo on ITRI campus

Samet - the narrative of the Leo Drive demo video was to demonstrate Autoware on public road

Ryohsuke - the goal of the Bus ODD is to show Autoware is hardware agnostic. It is better to have a ROS 2 demo video (even if on a private campus) to demonstrate Autoware Universe on 2 different platforms. Autoware.Al is already archived.

Fatih - The main discussion is Autoware.AI vs. Autoware Universe and timing. The ROS 2 videos would probably be around August time-frame.

Huei-Ru - ITRI has a long term plan to upgrade to ROS 2

Proposal for demo video

Three options were proposed:

- 1. Video 1 = Leo Drive ROS 2 (demo recording completed)
- 2. Video 2 = ITRI ROS 1 + Leo Drive ROS 2 (short clip showing private and public roads)

3. Video 3 = ITRI ROS 2 (ITRI campus, possibly extended to public road subject to approvals)

Ryohsuke - we could skip Video 2

Huei-Ru - we can have only 2 videos (1 and 3). Video 3 can be in August. Video 2 on a public road with Autoware.Al could be confusing.

Conclusion

- The consensus was that combining Autoware.Al and Autoware Universe in one video would be confusing for the viewer
- ITRI demo video recording is delayed to August
- The final decision about the demo video and timelines will be taken by the AWF TSC and Board.

↑ 1 0 replies

