

# Software WG Meeting 2024/04/02 #4587

xmfcx started this conversation in Working group meetings



xmfcx on Apr 2

Maintainer

edited ▾

## Common Resources

▶ Click to expand 

## Attendees

▶ Click to expand 


## Discussions

## Announcements

- [Autware Labs Call for participation](#)

## Updates from developers

## Distribution of new tasks

- <https://github.com/open-mmlab/mmdetection/tree/3.x/configs/rtdet>
  - Create a 2D Instance Segmentation package for the Autware Universe - Rugved Hattekar [@rugved42](#), Siddhant Diwaker [@proxi666](#)
- <https://github.com/HuangJunJie2017/BEVDet> - [@cyn-liu](#)
- New point cloud concatenation package - [@lexavtanke](#) + [@esteve](#)
-  [ML-based Motion Prediction](#) [autware.universe#6348](#) - [@sezan92](#)  
would you be interested in this?
- ask [@kaancolak](#) for help with nusenes evaluation on the s&p meeting.
- Improve performance of sensing-perception (reduce CPU usage)
- Real time camera segmentation and detection visualizations
  - rqt maybe
  - visualize with [composable nodes](#)
  - put camera driver and the gui node into the same container
  - [@rugved42](#)
- Negative obstacle detection

### Category




Working group meetings

### Labels

meeting:software-wg

1 participant



- Speed bump detection
- Lane segmentation
  - research on the sota on lane seg on images
- Create scenarios for dense urban ODD
  - <https://github.com/orgs/autowarefoundation/discussions/4579>
  - Santosh Chaganti
- Santosh Chaganti - Segmentation, labeling, lane segmentation, creating scenarios
- Siddhant - Mechatronics student, point cloud map creation with fast-lio, livox mid360 Can help on mapping a highway when the data is available
- Metehan Gökmen - Mechatronics student, worked in an autonomous driving team, Lane segmentation
- Esteve to help Alexey
- @ahmeddesokyebrahim
  - Showing the ETA and mission distance left
  - <https://github.com/orgs/autowarefoundation/discussions/4130#discussioncomment-8578418>
- <https://github.com/autowarefoundation/AWSIM/issues>
  -  [Release v1.0.0](#) AWSIM-Labs#15
    - @lchojnack
- Everyone to create <https://github.com/autowarefoundation/autoware.universe/issues/new/choose> if already doesn't exists.
- <https://autowarefoundation.github.io/autoware-documentation/main/contributing/>
- @KhalilSelyan to work on the UI parts

## Action items

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0 comments