API WG Meeting Minutes June 12 2024 #4861

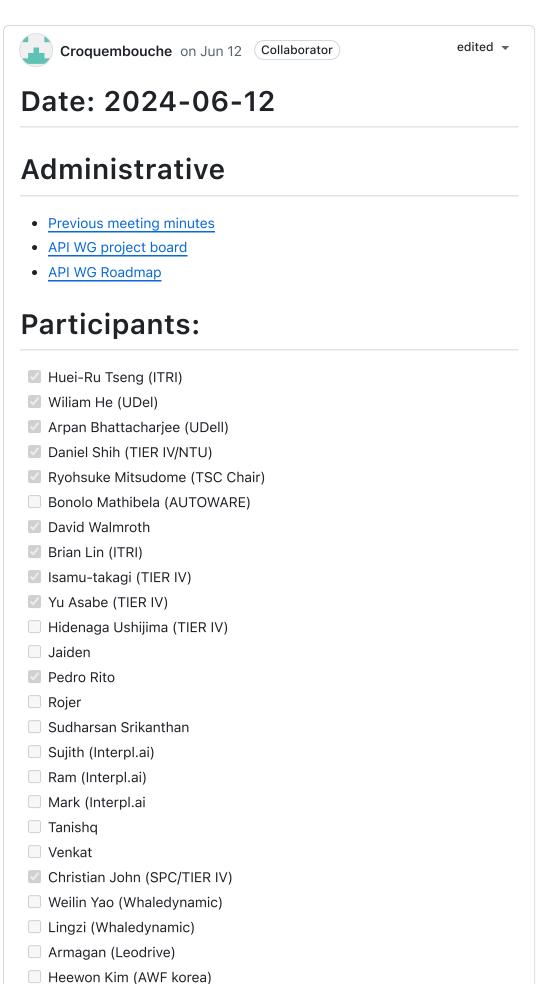**Croquembouche** started this conversation in **Working group meetings**

Croquembouche on Jun 12   Collaborator   edited ⌄

Date: 2024-06-12

Administrative

- [Previous meeting minutes](#)
- [API WG project board](#)
- [API WG Roadmap](#)

Participants:

- ☑ Huei-Ru Tseng (ITRI)
- ☑ Wiliam He (UDel)
- ☑ Arpan Bhattacharjee (UDell)
- ☑ Daniel Shih (TIER IV/NTU)
- ☑ Ryohsuke Mitsudome (TSC Chair)
- ☐ Bonolo Mathibela (AUTOWARE)
- ☑ David Walmroth
- ☑ Brian Lin (ITRI)
- ☑ Isamu-takagi (TIER IV)
- ☑ Yu Asabe (TIER IV)
- ☐ Hidenaga Ushijima (TIER IV)
- ☐ Jaiden
- ☑ Pedro Rito
- ☐ Rojer
- ☐ Sudharsan Srikanthan
- ☐ Sujith (Interpl.ai)
- ☐ Ram (Interpl.ai)
- ☐ Mark (Interpl.ai
- ☐ Tanishq
- ☐ Venkat
- ☑ Christian John (SPC/TIER IV)
- ☐ Weilin Yao (Whaledynamic)
- ☐ Lingzi (Whaledynamic)
- ☐ Armagan (Leodrive)
- ☐ Heewon Kim (AWF korea)

Category

💼 Working group meetings

Labels

meeting:api-wg

3 participants

- ☑ Shreekant Marwadi (Leidos)
- ☐ Yu Zhigang
- ☑ CY
- ☐ Ziri
- ☐ Will Martin
- ☐ Chang
- ☐ Samet Kutuk
- ☑ Jon Smet (Leidos)
- ☑ Mohannad Jooriah
- ☑ João Amaral (IT Aveiro)

Agenda

- Discussion on how we want to approach the V2X architecture. Should we keep most of what Danlaw proposed or start new?
- Discussion on how to make Autoware compatible with different format of V2X messages (NA, EU, AsiaPacific, etc)
- IT Presentation CPM Integration – Collective Perception Message

Notes

IT: SPaT message integration. (EU Standards ITS G5)
ITRI: Taiwan C-V2X based on IEEE 1609
UDel: NA C-V2X J2735

V2X Traffic Lights Integration Tasks List

Conflict of results? check Autoware guideline. [Traffic Light Arbiter](#)

V2X Object Detection Integration Tasks List

How to fuse the data with V2X?
UDel: Adding OBU to AV
IT: Broadcasting detected objects

Discussion

[Comparing the Performance of Zenoh, MQTT, Kafka, and DDS](#)
Planned VPI Presentation after V2X integration is completed.
Bring COVESAS topics into this WG (?)

Next Steps

Presentation on VPI (UDel)

↑ 1

3 comments

pedrorito on Jun 12

Autoware + V2X Integration: Generation of CPMs in a DDS environment with microservices/adapters.
Presentation: AWSIM V2X.pdf
Demo: https://youtu.be/7_XmLTv1Kts

↑ 1   0 replies

pedrorito on Jun 12

Vanetza-NAP: Vehicular Communications and Services in MicroServices Architectures
VNC2024.pdf

↑ 1   0 replies

hueirutseng on Jun 13 Collaborator

Thanks William. Based on previous discussion threads, V2X architecture of Danlaw's proposal could be found here. [#Slides]

↑ 1   0 replies