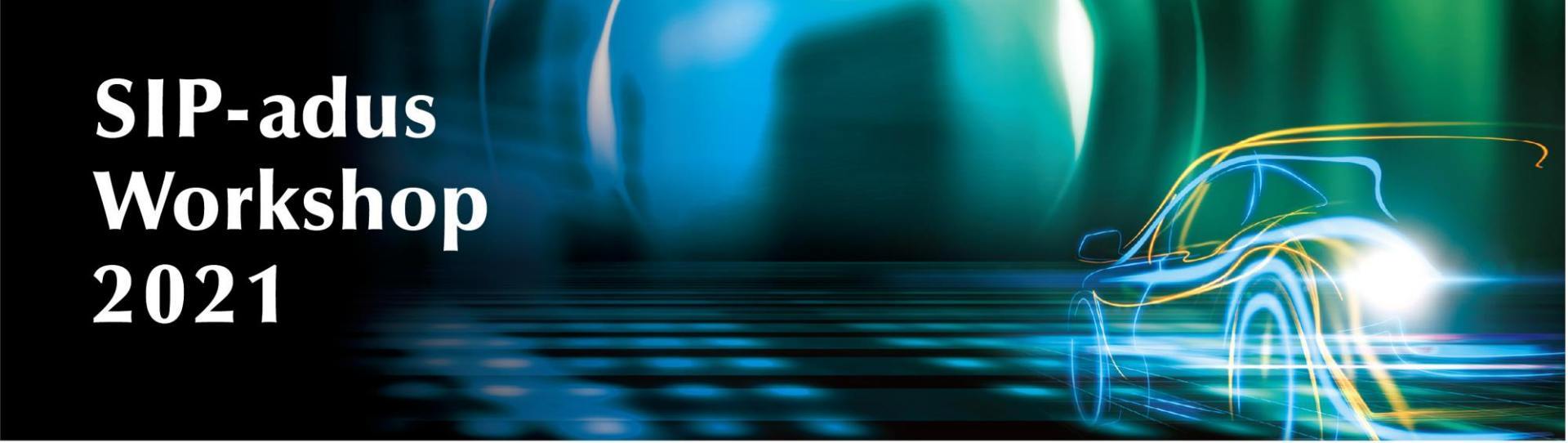

Cybersecurity　Closing comment

J-Auto-ISAC / TOYOTA Motor Corp. Shigeru Uehara

SIP　Cabinet Office

Towards the realization of cyber-safe automated driving

Safe and Secure must be an eternal theme for vehicles.
Preparation for the attacks is nothing but "safe and secure" for automated driving which is established by communication with the outside infrastructure.

	Passive Safety	**Active Safety**
Conventional Safe and Secure	Equipment to mitigate damages in case of an accident **Seatbelt, Pre-tensioner, Airbags** → Standard equipment for all	Equipment to prevent accidents **ABS, Stability Cont'l, Auto-braking to avoid rear-end collision** → Standard equipment on going
Cyber-securitic Safe and Secure	Equipment which minimizes damage in case of cyber intrusion → **Intrusion Detection Sys. such as IDS is desirable to equip as standard**	Cooperation to share attack information to prevent cyber intrusion in advance → Utilization of info-sharing organization such as **J-Auto-ISAC**

Summary -1

- Early detection of attack（threat）information is important for realization of Cyber-safe automated driving. and IDS is the one of effective means.
  If OEMs can quickly **utilize that information for their initial action, the damage will be minimized.**

- For OEMs, to understand accurately which specification and function of IDS will be suitable for their in-vehicle communication system is very important.

SIP

Summary -2

- SIP adus Cybersecurity is making “IDS evaluation guideline” for OEMs to select and determine the optimal IDS for their vehicle communication system.　(be completed in March 2022)

- The guideline will be hand-overed to Jaspar.
  From Jaspar, the technical knowledge will be deployed to the design practical departments of OEMs and Suppliers.

Contribute to realization of Cyber-safe Automated driving through promoting the use of IDS


SIP-adus
Workshop
2021
Thank you