

Latest Trend of Cybersecurity for Automotive Industry

Lecturer: **Mr. Shigeyuki KAWANA**

(Electronics Platform Subcommittee chair of
Japan Automobile Manufacturers Association)

16:00-17:30
June 26 (Wed.)



Outline:

Nowadays vehicles are highly computerized, connected to various devices, and have evolved to the stage where autonomous driving is possible. At the same time as this evolution requires safety, ensuring security has also become an important issue. Legislation has quickly progressed as a consumer product to protect against attacks from cyberspace, and the world is busy responding to it. Unlike general IT technology equipment, a feature of automobile cybersecurity measures is that many ECUs are installed inside the vehicle as a device, each of which is connected to the in-car network and is configured with its own hardware and software. The lifecycle of a vehicle is also unique in that it is used for a long period of time, over 10 years, and the owners and users change during that time. Today, I will introduce the trends in cybersecurity legislation being promoted by governments around the world and the technologies for countermeasures, including the difficulty of implementing cybersecurity measures for such special products.

Lecturer Profile:

In 1991, moved from an electronic equipment manufacturer to the automobile industry. While designing the safety of in-vehicle electronic systems, In 2016, started international standardization activities for automotive cybersecurity (CS) at the Society of Automotive Engineers of Japan (JSAE) and the Japan Automobile Manufacturers Association (JAMA). Engaged in standards creation as an international expert. In 2018, worked with the Ministry of Land, Infrastructure, Transport and Tourism at JASIC (Japan Automobile Standards Internationalization Center) to develop the United Nations Automotive CS Regulation, which became a regulation in July 2022. ISO/TC22/SC32/WG8 and WG11 expert. Chairman of the Electronic Platform Subcommittee of JAMA, Technical secretary of the Information Security Subcommittee of JSAE, Chair of the JASIC CS&OTA Domestic Support Working Group, Member of the UN WP29/ECE/TRANS/GRVA/CS&OTA IWG.

Currently working in the electronic design department at Toyota Motor Corporation's headquarters.

Application : Open to everyone but registration is required. Max 100 tickets will be issued on the first-come-first-served basis.

Registration: <https://forms.gle/7SnstvbFfniugNJu9>



Venue: ES Hall →
in E&S Building

Inquiries:

NU Global Engagement Center
Prof. Sakai : ysakai@nagoya-u.jp

