Dr. Yuji Inoue

The Chairman of the Board, Toyota Info-Technology Center, Co. Ltd., The Former President of The Institute of Electronics, Information and Communication Engineers

VaaSI; Vehicle as a Social Infrastructure

Abstract: ITS, Intelligent Transport System, with DSRC, Dedicated Short Range Communications, was launched in Japan in 2015 as the first DSRC system in the world. Car2car communications became available among some models of new cars with DSRC to avoid such as inter-section accidents and rear-end collisions. Car2Infrastructure (traffic signals) was also introduced at the same time and will be expanded gradually to assist, for an example, handicapped pedestrians by extending traffic light-length. Automated driving and/or ADAS, Advanced Driving Assist System, will further renovate social infrastructures by its powerful wireless communications and information processing capability. Its capability will not be limited only to the mobility aspects but to new social activities. One of them will be IoT, Internet of Things, based society and industry supported by vehicles. Some examples will be explained in this address.

Biography: Yuji Inoue was born in 1948 in Fukuoka, Japan. He received the B.E., M.E. and Ph. D degrees from Kyushu University, Fukuoka, Japan, in 1971, 1973 and 1986, respectively, and was made an Honorary Professor of the Mongolian University of Science and Technology in 1999.

He joined NTT Laboratories in 1973 and served there for 34 years. While he was in NTT, he was active in ITU-T standardization on ISDN (Integrated Services Digital Network), SDH (Synchronous Digital Hierarchy) and TNA (Transport Network Architecture) during 1982 – 1992. After new business development in NTT Data, he was a board member of NTT in 5 years as CTO and the head of NTT group's R&D with 6000 researchers and engineers.

He moved to The Telecommunication Technology Committee, TTC in 2007 as the President and CEO, then to Toyota IT Development Center. He is currently the Chairman of the Board. He is a fellow of IEICE and IEEE and is former President of IEICE (2013-2014). He wrote and edited many technical books.