



Professor Yoshitoshi Murata (D.Eng.)

Professor Emeritus, Iwate Prefectural University

Yoshitoshi Murata received his M.Eng. from Nagoya University and his D.Eng. from Shizuoka University. From 1979 to 2006, he worked for NTT and NTT DoCoMo, where he helped develop mobile communication systems, terminals, and services. From 1979 to 2006, he was a professor in the faculty of Software and Information Science at Iwate Prefectural University. He retired

from Iwate Prefectural University in 2020.

Professor Murata was awarded Best Paper at the following conferences: ACHI 2013, ACHI 2018, eTELEMED 2015, eTELEMED 2018, Global Health 2018, and Vehicular 2019 in IARIA. He has ten papers published in IARIA Journals. He organized the special tracks PPAP at eTELEMED 2017, ICH at eTELEMED 2018, and ICH at eTELEMED 2019, as well as a panel on vehicular challenges at Vehicular 2019. He was an editor for eTELEMED 2018, eTELEMED 2019, and Vehicular 2019.

He was also awarded Best Paper at the ITU-T Kaleidoscope: Innovations in NGN academic conference in 2008.

His research interests are developing application systems that use several kinds of sensors, with a focus on the medical and automobile industries. He has developed the following systems:

- Remote rehabilitation system for cerebrovascular patients
- Auscultation practice system for medical and nursing students
- Patient monitoring system for healthcare facilities
- Facial expression training system for medical doctors
- Universal driving operation units for disabled people
- Assistance systems for picking and assortment operations

He is currently developing a module structure for prosthetic feet on the basis of the open market and standardization. The introduction of the module structure and standardization will lower overall prices for prosthetics, making them more affordable and thus improving the quality of life for amputees.

Professor Murata is a member of eTELEMED Steering Committee in IARIA and a co-editor for the ITU Kaleidoscope series of IEEE Communications Standards Magazine.