



Dr. Hiroaki Nishi

Hiroaki Nishi is a Professor of Keio University since 2014. He is a member of IEEE-SA Smart Grid Vision Project, IEEE802.3, IEEE2030, IEEE P1394, IEEE1451, respectively. He is the chair of the IEEE P1451-1-6 Working Group. He is also a member of ITU-T Focus Group on Smart Sustainable Cities WG2, Japanese Academic Societies. He was the smart energy working group chief of Nagasaki EV&ITS project, Japan. He has been a member of several committees established by the Ministry of Internal Affairs and Communications. He is a sub-chief editor of Smart Grid News Letter of Impress Co. Ltd, and he published several books about the standards and conducted smart city demonstrations. He is a chair of the Smart Community Implementation Committee of Kawasaki City, Musashikosugi Area, and a chair of the Smart City Exploratory Committee of Nasushiobara City. He is also chair of the Smart Community Implementation Committee of Saitama City, Urawamisono Area, and a president of Omotenashi ICT Association.

Since 2015, he is a director of Edge Computing Association, Japan. He is a director of Urban Technology Alliance. He is now deputy program director of Intelligent Knowledge Processing Infrastructure Integrating Physical and Virtual Domains, Cross-ministerial Strategic Innovation Promotion Program (SIP).

The main theme of his current research is to build the total network system, including the development of hardware and software architecture. In particular, service-oriented routers and smart grid/community are the centers of his research topics of demonstrations. He places importance on considering what is required for the highly networked information society in the future from the viewpoint of these applications. He researches the next generation IP router architecture, edge computing infrastructure, data anonymization infrastructure, and effective network and control systems in smart grid/community.