

Dr Masayuki Ariyoshi is the Head of Wireless Communication Systems Department, Advanced Telecommunications Research Institute International (ATR) located in Kyoto, Japan. He has been engaged in research and development on wireless communication systems for more than 20 years. He received BE and ME degrees in electrical engineering in 1992 and 1994 respectively, and PhD degree in information and computer science in 2005, all from Keio University. From 1994 to 1999, he was with Central Research Laboratories, Hitachi Ltd, where he was engaged in research and development on mobile communication systems including cdmaOne and WCDMA. From 1999 to 2005, he was with Ericsson Research Japan, where he contributed in research on WCDMA and B3G mobile communication systems: interference cancellation techniques for WCDMA receivers; and mobility management technologies for IP based core networks, etc. From 2006 to 2012, he was with Central Research Laboratories, NEC Corporation, where he established a cognitive radio research project and conducted research on enabling technologies for dynamic spectrum access systems: spectrum sensing techniques; interference suppression techniques from both transmission and reception aspects; cognitive pilot channel structures and spectrum management schemes; functional system architectures, etc. Since joining ATR in January 2013, he has been leading national research projects in Japan which focus on dynamic and reconfigurable M2M wireless networks, advanced MIMO technologies, and so on.



Dr Ariyoshi has been serving in the Technical Committee on Software Radio, and the Technical Committee on Information Networks at IEICE. He also has been working in standardisation organisations: as a board member of IEEE Standards Association Standards Board in 2011 and 2012; as a committee member of IEEE Standards Review Committee since 2010; as chair of IEEE 1900.4 Working Group since 2010; and as chair of the Task Group on Short Range Devices, Asia-Pacific Telecommunity Wireless Group since 2013.