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He received the B.E. and M.E. degrees from Kyushu University, Fukuoka, Japan, in 1985 and 1987, respectively. And, he received Ph.D from University of Tokyo, Japan, in 1998.

In 1987, he joined Research and Development Center, Toshiba Corporeation, where he engaged in the research of ATM systems. From 1990 to 1991, he has been at Applied Research Laboratory of Bellcore Inc., New Jersey (USA), as a residential researcher. From 1994 to 1996, he has been at CTR (Center for Telecommunication Research) of Columbia University in New York (USA).

During his staying at Columbia University, he has proposed the CSR architecture, that is the origin of MPLS(Multi-Protocol Label Switching), to the IETF and to the ATM Forum. From 1996 to 1998, he has conducted the CSR project in Toshiba, as a chief architect. From 1998, he has served as a professor at the University of Tokyo, and as a board member of WIDE Project (www.wide.ad.jp).

From 1997, he has involved in the IPv6 research and development at the WIDE project. He is a co-founder of series of IPv6 special project in the WIDE project, i.e.,

   (1) KAME project ; IPv6 protocol stack for BSD UNIX
   (2) TAHI project ; IPv6 test and evaluation specification and tools
   (3) USAGI project ; IPv6 protocol stack for Linux

Regarding the research/development/deployment for the IPv6, he has been very tightly and closely working with Prof.Jun Murai, who is a political and technical advisor for the Japanese cabinet. He is an executive director of IPv6 promotion council, which is cross ministry and cross industry council to promote the IPv6 technology. He has been responsible on the design and operation of JGN (Japan Gigabit Network) IPv6 network, since 2000.