

Biography

Dr. Richard van Nee
Qualcomm

Richard van Nee received the M.Sc. degree in Electrical Engineering from Twente University in Enschede, the Netherlands, in 1990, followed by a PhD degree from Delft University of Technology in 1995. From 1995 to 2000, he worked for Lucent Technologies Bell Labs on wireless LAN transmission techniques. He invented the CCK codes that are used in the IEEE 802.11b standard, which was the standard that led to the formation of WiFi. He co-developed the OFDM-based proposal that was adopted by the IEEE 802.11a wireless LAN standard in 1998. In 2001, he cofounded Airgo Networks - acquired by Qualcomm in 2006 - that developed the first MIMO-OFDM modem for wireless LAN and which techniques form the basis of the IEEE 802.11n standard. Together with Ramjee Prasad, he wrote a book on OFDM, entitled "OFDM for Mobile Multimedia Communications". In 2002 he received the Dutch Veder award for his contributions to standardization of wireless communications. He holds more than 60 patents related to various WiFi standards and served as an expert witness in several WiFi related lawsuits. He is currently a Senior Director at Qualcomm where he is responsible for WiFi algorithm design and for developing new 802.11 standards.