

Edward G. Tiedemann, Jr.
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QUALCOMM Incorporated

Dr. Edward G. Tiedemann, Jr. is a QUALCOMM Fellow and a Senior Vice President of Engineering of QUALCOMM Incorporated. He leads QUALCOMM's worldwide standardization activities. Dr. Tiedemann was instrumental in the design and development of the TIA/EIA/IS-95 CDMA system, also called cdmaOne™. He led QUALCOMM's and much of the industry's efforts in the design and development of the third-generation cdma2000® system. He was instrumental in getting QUALCOMM involved in WCDMA and in embedded modules. Recently he led the offline industry group on M2M convergence. Dr. Tiedemann chairs 3GPP2 TSG-C, which is responsible for the cdma2000® (1x and 1xEV-DO) air interface. Dr. Tiedemann has been particularly interested in the technical issues related to handoff, power and rate control, scheduling, control of random access channels, advanced antenna techniques, and the tracking and paging of mobile users. Dr. Tiedemann holds over 150 US patents and has participated in many papers, conference lectures, and industry panels.

Prior to becoming involved with terrestrial wireless communications, Dr. Tiedemann was involved with numerous commercial and military satellite programs. From 1977 to 1988, Dr. Tiedemann was at MIT Lincoln Laboratory.

Dr. Tiedemann holds the Ph.D. degree from MIT where he worked in the areas of queueing theory and communications networks. He holds the Master of Science degree from Purdue University where he worked on bandwidth efficient modulation. He also holds the Bachelor of Science degree from Virginia Polytechnic Institute and State University (Va Tech).

Dr. Tiedemann is past chairman of the Advisory Board of the College of Engineering at Virginia Polytechnic Institute and State University (Va Tech). Dr. Tiedemann currently sits on the Advisory Board of the Purdue University School of Electrical and Computer Engineering. He is on the Board of Directors of the Open Mobile Alliance.

In 2008, Dr. Tiedemann received the 3G-CDMA Industry Achievement Award for Industry Leadership from the CDMA Development Group (CDG) for his "long-running contribution to CDMA development and standardization." He received the Global IT Innovator & Leadership Award from Yonsei University in Korea in 2009 and the 2010 Virginia Tech College of Engineering Distinguished Alumni Service Award. He has received both the Purdue University College of Engineering Distinguished Engineering Alumnus and the Purdue University Outstanding Electrical and Computer Engineer Awards.