Bruce McNair is Distinguished Service Professor of Electrical and Computer Engineering at Stevens. In addition, he is Founder and Chief Technology Officer of Novidesic Communications, LLC, a technology consulting company. Prior to starting Novidesic and joining the faculty at Stevens in 2002, he spent 24 years at AT&T Bell Laboratories (AT&T Labs - Research after the Lucent spin-off). His most recent work there was research of next generation (4G and beyond) wireless data communications systems, including high-speed, high-mobility wide area networks as well as range and speed extensions to 802.11(a & b) wireless LANs. Besides continuing the areas he investigated at AT&T Labs, his research interests at Stevens include privacy-preserving end user authentication, the application of cryptography to communications systems, rapid prototyping of hardware and software systems, real-time embedded systems, geolocation system and broadband powerline (BPL) systems.

Prior to joining the wireless research organization, Mr. McNair established and managed a well-funded security and systems reliability architecture group for many years. In this role, he and his group consulted with AT&T customers and business units on computer and network security issues, security technologies, as well as security assessment techniques. Mr. McNair's prior activities at Bell Labs included development of encryption hardware, secure voice architecture studies, high-speed voice-band modems, and public data network protocols. Before joining Bell Labs, he spent seven years developing military communications systems for the US Army Electronics Command and ITT Defense Communications Division. His responsibilities included cryptographic and ECCM techniques for portable radio systems, TEMPEST technology, and state-of-the-art speech compression techniques.

Mr. McNair received his B.E. (with Honor) and M.E. in Electrical Engineering from Stevens Institute of Technology. He is a Life Senior Member of the IEEE and belongs to the Communications and Signal Processing Societies. He has twenty-five US Patents and nineteen international patents with several more applications pending.