Liam B. Quinn

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Executive Profile

- Technology Executive, Inventor, Researcher and Educator with over 40 years of leadership in communications, networking, wireless systems, edge computing and AI-driven distributed computing. Holder of more than 285 U.S. patents and patent applications, three-time Dell Technologies Inventor of the Year, Dell Senior Fellow and Chief Technology Officer. Internationally recognized leader in communications, networking, wireless systems, and technology innovation. Currently Associate Professor of Practice at Texas State University, where research focuses on AI-enabled communications, networking and distributed computing.

Innovation & Intellectual Property

- More than 285 U.S. patents and patent applications
- Three-time Dell Technologies Inventor of the Year
- Inventor of foundational technologies spanning
    - Wireless Networking
    - Wi-Fi
    - Bluetooth
    - 4G, 5G
    - Mobility
    - Edge Computing
    - IoT
    - AI-enabled networking
    - Cloud networking
- Technologies incorporated into enterprise, commercial, and consumer products deployed worldwide
- Inventor on technologies spanning wireless networking, AI-enabled networking, IoT, edge computing, cloud networking, mobility, and communications.
- Innovations adopted across enterprise, commercial, consumer, cloud, and mobile computing platforms.
- Patent portfolio spans communications, networking, wireless systems, edge computing, cloud computing, IoT, artificial intelligence, and distributed computing.

Professional Experience:

Dell Technologies 1997-2022

- **Senior Fellow, CTO, Senior Vice President**
- **Selected Contributions**
    - Led global technology strategy across enterprise and client computing, networking, wireless, IoT, and edge computing portfolios
    - Directed worldwide engineering organizations across North America, Europe, Israel, India, China and Taiwan.
    - Inventor or co-inventor on more than 285 US granted patents and patent applications.
    - Represented **Dell Technologies** in international standards bodies, industry consortia, and government regulatory forums shaping next-generation networking technologies.
    - Served as executive technology sponsor for Fortune 100 customers

Thomas-Conrad Corporation (Compaq) 1993-1996

Digital Equipment Corporation 1987-1992

Computer Automation 1982-1987

Invited Keynotes and Distinguished Lectures

- **Selected Industry Keynotes**
    - **Intel**
    - **Microsoft**
    - **Dell**
    - **3M**
    - **Lockheed Martin**
    - **Home Depot**
    - **Wi-Fi Alliance**
    - **Nokia**
    - **ABB**
    - **Ericsson**
    - **Bosch**
    - **ExxonMobil**
    - **FedEx**
- Government
    - **FCC** Technology Summit
- International Conferences
    - Wireless China
    - LTE Symposium

- Mobile Computing Summit
- Mobile World Congress (Europe)

Academic Appointments:

- **Associate Professor of Practice** – Texas State University
  - Teaching
    - Communication Systems
    - Communication Networks
    - Wireless Networking and Mobility
  - Research Interests
    - AI in Communications
    - Wireless Systems
    - Edge Computing
    - Distributed AI
    - Networking
    - IoT
    - Mobile Networking
    - Graduate Research Supervision

Honors and Recognition:

- Dell Technologies **Inventor of the Year (2005, 2007, 2014)**
- Dell Senior Fellow
- IEEE Senior Member
- Fellow, Institute of Engineering and Technology (FIET)
- Chartered Engineer (CEng)
- Numerous invited international keynote speaker appointments

Standards and Industry Leadership:

- Board member of the Wi-Fi Alliance (2000-2022)
- Chair, Wi-Fi Alliance Regulatory Committee
- Founding Board Member, OpenFog Consortium
- Founding Board Member, Wi-Gig Alliance
- Led WiGig integration into the Wi-Fi Alliance
- Advisory Board Member, UT Cockrell School of Engineering (2000-2016)
- Advisory Board Member, Texas State University (2022-present

Selected Publications:

- Author of the internationally published book *Fast Ethernet* (John Wiley & Sons), translated into English, Russian, and Chinese
- Author of book chapters on networking, IoT, and edge computing
- Author of more than 15 peer-reviewed journals, and conference publications
- Research spanning AI, Networking, wireless, communications, IoT, and distributed computing

Education:

BSc, Electrical Engineering 1979
Dublin Institute of Technology, Ireland

BSc, Computer Engineering 1982
University of Limerick, Ireland

MSc, Computer Engineering 1990
Boston University

PhD Candidate – University of Limerick
Dissertation:

AI-Driven Hybrid Distributed Computing for Network Optimization: From IoT to Edge to Cloud

Languages: Gaelic, English, German