

**Victor B. Lawrence, Ph.D.** Signal Processing in Telecommunications

National Hall of Inventors Inductee, 2016



Victor Lawrence, Ph.D. improved transmission for the modern Internet, made high-speed connections more available, and stimulated the growth of the global Internet. His work has advanced data encoding and transmission, modem technology, silicon chip design, ATM switching and protocols, DSL, speech and audio coding, and digital video.

Dr. Lawrence spent much of his career at Bell Laboratories where he was the lead engineer of AT&T's 2.4kbps full duplex modem, and his innovations pushed modems to 56kbps.

Born in Ghana, Dr. Lawrence is a strong advocate of expanding Internet access to the world's poorest countries and has spearheaded efforts to lay high capacity fiber optic cable along the west coast of Africa.

See the National Inventors Hall of Fame: <https://www.invent.org/inductees/victor-b-lawrence>