



## Kenneth Brayer



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Fellow of the IEEE  
The MITRE Corporation

Kenneth Brayer is a fellow of the IEEE cited, “for contributions to fading channel data communications and error-correction coding techniques.” At the MITRE Corporation he has held positions from staff through group leader to project leader for the Air Force Alternate Missile Warning Center at Offutt AFB, Neb. He is currently the principal networking and distributed systems engineer of the MITRE Corporation providing expertise in network technology, communications, computers and information processing.

Brayer is responsible for numerous contributions to technology including design of CRC-32, the Federal and computer industry standard for error detection, adopted by Ethernet and many other networks and information distributors worldwide.

Brayer developed concepts for low and medium earth orbit satellite networks, demonstrated High Frequency Radio Networking to the Air Force, and in a research program called Survivable C3 via Distributed Processing he created the first routing algorithm for a variable topology network. That algorithm is employed in ad-hoc network protocols, e.g., dynamic source routing.

Brayer is the author of 51 journal and magazine articles, and conference papers in communications, computing and network technology. These papers are widely cited in textbooks, journal articles, conference papers, patents, and Ph.D. theses. He is the editor of the IEEE Press Book, *Data Communications via Fading Channels*, 1975.

Brayer has been listed in *Who's Who in America*, 1993, *The Complete Who's Who in America*, 2001, and *American Men and Women of Science*, repeatedly since 1993.