

Bio – Arogyaswami Paulraj

Professor (Emeritus) Arogyaswami Paulraj joined Stanford University in 1991. In 1992 he proposed the MIMO (Multiple Input Multiple Output) concept which is the key to today's 4G cellular and WiFi wireless networks.

Paulraj is the author of over 350 research papers, two text books and a co-inventor in 66 US patents. He is an ISI Thompson Highly Cited Researcher.

Paulraj has won over a dozen awards in the US, notably the 2011 IEEE Alexander Graham Bell Medal and the 2014 Marconi Prize and Fellowship, both top awards for telecommunications technology pioneers. He is a fellow of eight national engineering/science academies including those in the US, China, India and Sweden. He is a fellow of IEEE and AAAS.

In 1999, Paulraj founded Iospan Wireless Inc - which developed and established MIMO-OFDMA wireless as the core 4G technology. Iospan was acquired in by Intel Corporation in 2003. In 2004, Paulraj co-founded Beceem Communications Inc. The company became the market leader in 4G-WiMAX semiconductor and was acquired by Broadcom Corp. in 2010.

During his 30 years in the Indian (Navy) (1961-1991), he founded three national level laboratories in India and headed one of India's most successful military R&D projects – APSOH sonar. He received over a dozen awards (many at the national level) in India including the Padma Bhushan.