

## Brief Bio of Professor Paulraj

Arogyaswami Paulraj is a Professor at the Department of Electrical Engineering at Stanford University since 1993. His group has developed many key fundamentals of a new field called space-time communications theory and has helped shape a worldwide research and development focus on this technology.

Paulraj's career in India included development of military sonar systems (1971-82), massively parallel computers (1987-91), and the founding three national level laboratories -- Center for Artificial Intelligence and Robotics, Center for Advanced Computing, and Central Research Laboratories (1986-91). He has received over a dozen national awards in India for his contributions and is a Fellow of Indian National Academy of Engineering.

Paulraj moved to Stanford University in 1992, and his interests has since focused on space-time wireless communications. He is the author of over 320 research papers and holds thirty US patents in wireless. He has authored two books in wireless.

In 1999, Paulraj founded Iospan Wireless Inc., which pioneered MIMO-OFDMA fixed wireless technology and developed chip sets for fixed wireless systems. Iospan was acquired by Intel Corporation in 2002. In 2004, Paulraj co-founded Beceem Communications, Inc. to develop base band and RF chips sets for WIMAX 802.16e standard. The company has emerged as the leading supplier of Mobile WIMAX chip sets worldwide.

Paulraj is a member of the US National Academy of Engineering where he was elected for his pioneering leadership in MIMO wireless. He received the IEEE Technical Achievement Award in 2003 and several best paper awards from the IEEE and is a Fellow of the IEEE. He was recently acclaimed as the "father of WIMAX" by Business Week.

Paulraj currently serves on Board of Directors for 3 wireless companies and on several advisory boards of companies, universities and foundations.