

Arogyaswami J Paulraj

Marconi Fellow

Professor Research Emeritus, Stanford University,
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Education

1973 Ph.D. Indian Institute of Technology, New Delhi, India
1966 B. E. Naval College Engineering, Lonavala, India

Employment

2015 - Dist. Prof., Indian Institute of Technology, Madras
2013 - Visiting Professor, Beijing University of Posts and Telecommunications, Beijing
2013 - Visiting Professor, Imperial College, London
2010 - Professor Emeritus, Stanford University
2010 - 2014 Sr. Advisor, Broadcom Corp., Irvine
2004 - 2010 Chief Technology Officer, Beceem Communications Inc., San Jose
1998 - 2003 Chief Technology Officer, Iospan Wireless Inc., San Jose
1993 - 2010 Professor (Research), Stanford University
1992 - 1992 Visiting Scientist, Stanford University
1988 - 1991 Chief Scientist, Central Research Lab, Bharat Electronics, Bangalore
1988 - 1991 Director, Center for Development of Advance Computing, Pune
1987 - 1988 Director, Center for Artificial Intelligence and Robotics, Bangalore
1983 - 1986 Visiting Scientist, Stanford University
1976 - 1983 Division Head, Naval Physical & Oceanographic Laboratory, Cochin
1974 - 1975 Research Fellow, Loughborough University of Technology, UK
1973 - 1974 Project Leader, Indian Institute of Technology, New Delhi

Professional Awards

2014 Marconi Prize and Fellowship, Marconi Foundation
2011 Alexander Graham Bell Medal, IEEE
2010 Padma Bhushan (Third highest civilian National Award - India)
2010 IEEE VTS Neal Shepherd Best Paper Award
2004 IEEE VTS Neal Shepherd Best Paper Award
2003 IEEE SP Society Technical Achievement Award
1998 Best Paper Award IEEE Signal Processing Society
1999 Ogawa Foundation Award
1985 Scientist of the Year (Awarded by Government of India)
1983 Ati Vishist Seva Medal (Military National Award - India)
1982 VASVIK Gold Medal (Industry Innovation)
1974 V.K. Jain Memorial Gold Medal
1974 Vishist Seva Medal (Military National Award - India)
1973 CNS Medal for research contributions in electronics

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National Academies / Prof. Society Fellow Grade Recognitions

2015	Foreign Fellow, Chinese Academy of Engineering
2015	Overseas Fellow, Indian National Science Academy
2013	Fellow, Indian Academy of Sciences, India
2011	Foreign Fellow, National Academy of Sciences, India
2010	Fellow, American Association for Advancement of Sciences
2008	Foreign Member, Royal Swedish Academy of Engineering Sciences
2007	Fellow, The World Academy of Sciences (TWAS)
2006	Member, US National Academy of Engineering
1998	Fellow, Indian National Academy of Engineering
1990	Fellow, IEEE

Other Recognitions

2014	Lifetime Achievement Award, India Abroad
2013	Lifetime Achievement Award, FETNA
2011	Pan-IIT Technology Leadership Award
1998	Distinguished Alumnus Award, Indian Institute of Technology, Delhi

Company / Center Founding

2014	Founder, Rasa Networks Inc. (Acquired by HPE, 2016)
2004	Co-Founder, Beceem Comm. Inc., Santa Clara. Acquired by Broadcom Corp., 2010
1998	Founder, Gigabit Wireless (later Iospan Wireless). Acquired by Intel Corp., 2003
1995	Co-Founder, Spectrum InfoTech (India). Acquired by L&T (India), 2007
1988	Founding Director, Central Research Laboratory, Bharat Electronics, India*
1988	Co-Founding Director, Center for Development of Adv. Computing, India*
1986	Founding Director, Center for Artificial Intelligence and Robotics, India*

Graduated Students at Stanford University

26 Ph.D. and 26 Post-Doctoral

Publications/Patents (List Attached)

Text Books	2
Edited Books (Research Paper Collections)	6
Contributions to Books	18
Archival Journal Publications and Book Chapters	143
Refereed Conference Publications	298
Issued US Patents	63

Major Conference Keynote / Plenary and Invited Lectures

Delivered over 50 keynote / invited lectures in Conferences and Universities in the period 2000-2015

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Leadership of Product Development in Industry / R&D Laboratory

2004 - 2010 WiMAX Semiconductors for Terminals (Beceem Communications)
1998 - 2003 Airburst MIMO-OFDMA Wireless Access System (Iospan Wireless)
1987 - 1991 PARAM MP Parallel Computer (CDAC India)
1977 - 1983 APSOH ASW Surface Ship Sonar (NPOL India)
1972 - 1973 Sonar 170B Tx-Rx System (IIT Delhi)

Current / Recent Councils and Committees - Govt./ Foundations

2014 Indian Institute of Tech., Delhi, Review Committee
2014 - US National Academies Panels on Dept. of Defense
2014- US Defense Science Board Panel
2013 - Global Advisory Board, Dept. of IT, Govt. of India
2012 - 2013 US National Academy of Eng. Nominating Committee
2012 ETH Visiting Committee, Zurich
2010 - 2011 CalIT2 Review Committee, Univ. of Calif.
2009 - 2011 US National Academy of Eng. Peer Committees
2007 - US Nat. Research Council
2003 - Governing Council, Center for Excellence in Wireless Technology, India

Current / Recent Industry Boards - Director / Adviser

2015 - Vivint Corp.
2014 - Rasa Networks Inc. (BoD)
2013 - 2014 Proxim Wireless Inc.
2012 - Netspeed Inc. (Adv.B)
2008 - 2012 Powerwave Technologies Corp. (Adv.B)
2004 - 2010 Beceem Communications Inc.(BoD)
1998 - 2009 BPL Telecom Ltd. (BoD)