

## Arogyaswami J Paulraj

Marconi Fellow  
Professor Research Emeritus, Stanford University,  
232, Packard, Stanford, Ca, 94305, USA  
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Bio: Naturalized US Citizen, Born: Coimbatore, India, DOB: Apr 14, 1944

### Education

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

### Employment

2013 - Visiting Professor, Beijing Institute of Post and Telegraphs, 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

## Arogyaswami J Paulraj

### National Academies / Prof. Society Fellow Grade Recognitions

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	Assoc. Member, 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.
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 45 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 Massively Parallel Computer (India)  
1977 - 1983 APSOH ASW Surface Ship Sonar (India)

### 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)