

## Dr. Santokh S. Badesha External CV

### **Business Address:**

Santokh S. Badesha, Ph.D, D.Sc (Hons.)  
 Distinguished Professor of Innovation – COE  
**Elmore Family School of Electrical and Computer Engineering**  
 Professor of Strategic Management  
**Daniels School of Business**  
 Corporate Fellow, **Xerox Corp.**



Distinguished Professor of Innovation – COE  
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 West Lafayette, IN 47907  
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### **Education**

Baring Union Christian College, India	Chemistry, Physics, Math	B.Sc., 1967
Punjab University, India	Chemistry	B.Sc., (Hons.), 1969
Punjab University, India	Organic Chemistry	M.Sc. (Hons.), 1970
Punjab Agricultural University, India	Organic Chemistry	Ph.D., 1973
University of East Anglia, UK	Organic Chemistry	Ph.D., 1976
University of Leicester, UK	Organic Chemistry	Postdoc, 1976

### **Employment**

- **Professor of Strategic Management by Courtesy, Purdue University, 2023-Present**
- **Distinguished Professor, Purdue University COE- ECE, Nov 2022-Present**
- **Corporate Fellow and Manager Open Innovation, Xerox Corporation 2007 - present**
- **Research Fellow, Xerox Innovation Group 2004-2007**
- **Manager, Advanced Components Competency Lab, Xerox Innovation Group 1998-2004**
- **Principal Scientist & Area Manager, Xerox Webster Research Center 1990-1998**
- **Senior Research Scientist, Xerox Webster Research Center 1980-1990**
- **Teaching Fellow, Rensselaer Polytechnic Institute, Troy NY 1976-1980**

### **Professional Activities and Service**

#### **Service to the National Academies of Engineering Science and Medicine (NAE, NAS, NAM) and National Academy of Inventors (NAI)**

- Member, NAE Committee on Division of Engineering and Physical Sciences (DEPS) [www.nationalacademies.org/deps/division-on-engineering-and-physical-sciences](http://www.nationalacademies.org/deps/division-on-engineering-and-physical-sciences)
- Member, NAE Core Team on Guiding Future Learning and Innovation Practices in Engineering.
- NASEM-NRC Research Associateship Programs Reviewer-- [FellowshipsOffice@nas.edu](mailto:FellowshipsOffice@nas.edu).
- NSF-Partnership For Innovation (PFI) proposals Peer reviewer.
- National Academy of Inventors (NAI) Fellows Advisory Committee.
- Institute of Engineering and Technology (IET), UK: Serve on the Panel to evaluate IET Achievement Awards/Medals and Fellowship nominations.

#### **State and Federal Agencies:**

- NY State Governor's Task Force on Economic Development followed by The Armonk Group for developing strategy and recommendations to NY State Governor for future investments.
- NSF's NANO2 initiative, developing research agenda (Nanotechnology 2020).
- Innovation eco-system at NY State Foundation for Science, Technology and Innovation.
- Serve on Board of Trustees of ESD-NYSTAR/FuzeHub representing NYS Industry

#### **Academic Institutions:**

- Xerox Technical and Executive Liaison with Clarkson U, Brown, Alfred, RPI, Penn State U, RIT, UOR, NCSU, UOI System, Purdue, SUNY-(UB, Binghamton, Stonybrook), and NCA&T, helping to bridge the gaps between university and industry research, to develop talent, to improve investment options, and to secure joint funding from federal and state agencies.

#### **Professional Societies Memberships**

Member, National Academy of Engineering; Fellow, Indian National Sciences Academy, Member, Institution of Engineering and Technology UK, Honorary Fellow, Punjab Science Congress/Indian Academy of Sciences; Industrial Fellow, Center for Innovation Management Studies (CIMS) at NC State University; Fellow, Society for Imaging Science & Technology; Chartered Scientist, The Science Council, UK; Fellow, Royal Society of Chemistry, UK; Member, Materials Research Society; Member, American Chemical Society; Member, American Ceramics Society.

#### **Intellectual Property, Scientific Publications and White Papers**

U. S. Patents Issued: 273 that have also been filed in multiple foreign countries. An additional over 50 U.S. Patents are pending and/or at different stages of patenting process at USPTO. Invention Disclosures: 445, 55 Publications, and 10 White papers.

#### **Significant Awards and Recognitions (External and Xerox Internal)**

##### **Xerox INTERNAL**

**2022: Santokh Badesha Wall of Fame**  
**2019: Induction to the Xerox CEO Club**  
**2007: Most Prolific Inventor**, Xerox Corp.  
**2001: Inducted to the Hall of Fame** of Xerox Innovation Group  
**1999:** Chester F Carlson Eagle Award  
**1998:** Xerox Eagle Award  
**1997: Excellence in Management Award**  
**1996: The President's Award**  
**1996:** Special Recognition Award  
**1994:** Xerox Eagle Award  
**1993: Excellence in Science & Technology Award**  
**1992:** Xerox Eagle Award  
**1992: Outstanding Team Leadership and Management Award**  
**1992:** Team Excellence Award  
**1990:** Xerox Eagle Award  
**1989: Excellence in Science and Technology Award**  
**1989:** Achievement Award  
**1988:** Achievement Award  
**1988:** Achievement Award  
**1983: Excellence in Science and Technology Award**

##### **EXTERNAL**

**2024: Fellow**, Indian National Science Academy (INSA)  
**2024: Ambassador**, The International Society of Service Innovation Professionals (ISSIP)  
**2024: Fellow**, Asia-Pacific Artificial Intelligence Association (AAIA)  
**2023: Honorary Life Member**, Royal Society of Chemistry, UK  
**2022: Fellowship and Member**, IET (Institution of Engineering and Technology, UK)  
**2022: Mountbatten Medal**, Institution of Engineering and Technology (UK)  
**2022: Rishi Raj Medal for Innovation and Commercialization**, American Ceramics Society  
**2022: Power 50 Technology List**, Rochester Business Journal  
**2021: Fellow, National Academy of Inventors**  
**2021: Member**, National Academy of Engineering  
**2021: Honorary Member**, Society for Imaging Science & Technology  
**2020: Senior Consultant**, UC Berkley Haas School of Business  
**2019: Member**, Advisory Board College of Electrical & Computer Engr of Purdue U  
**2019: Member**, Advisory Board of ISSIP  
**2014: Board Director**, FuzeHub at NYS-ESD-NYSTAR  
**2013: Industrial Fellow**, CIMS at NCSU  
**2013: Honorary Fellow**, Punjab Science Congress/Indian Academy of Sciences  
**2011: Santokh Badesha Leadership Scholarship** Established by Clarkson U  
**2011: Fellow**, Society for Imaging Science & Technology  
**2011: Member**, Industrial Advisory Board of NSF- I/U CRC at CUNY  
**2010: Member**, Advisory Board of Saunders College of Business, RIT  
**2009: Chester F Carlson Lifetime Achievement Award** of Society for Imaging S & T.  
**2009: Chairman**, Advisory Board, Clarkson CAT-CAMP  
**2009: Represented Xerox at White House** to receive National Medal of Honor.  
**2007: Honorary Doctor of Science** from Clarkson University  
**2004: Chartered Scientist** of The Science Council, UK