Venu Govindaraju
December 15, 2017

1. Educational history

PhD	University at Buffalo, State University of New York	1992
MS	University at Buffalo, State University of New York	1988
BTech	Indian Institute of Technology (IIT), Kharagpur	1986

2. **Work Experience** (University at Buffalo, State University of New York)

Vice President for Research	University at Buffalo	9/14 -
Clifford Furnas Chair Professor	University at Buffalo	3/14 -
SUNY Distinguished Prof**essor-** highest rank at	State University of New York (SUNY)	11/10 -
UB Distinguished Professor	University at Buffalo	1/09 -
Director	Center for Unified Biometrics and Sensors	9/03 -
Professor	Dept. of Computer Science & Engineering	8/02 -

3.   Awards

- **National Academy of Inventors, Fellow,** 2016.
- **Honorary Fellow of the AP Academy of Sciences**, India, 2016.
- **IAPR/ ICDAR Outstanding Achievements Award**, 2015 "for pioneering contributions to pattern recognition and its application to the fields of handwriting recognition, multilingual document analysis, and biometrics; and for the development of real-time engineered systems.
- **IIT Kharagpur Distinguished Alumnus Award**, 2014
- **IEEE Technical Achievement** Award, 2010. "For pioneering contributions to handwriting systems" for sustained achievement over last 10-15 years.
- **MIT Global Indus Technovator** Award 2004, MIT Indian Business Club, Cambridge, MA: "For pioneering endeavors at the frontiers of technological innovation".
- **40 Under Forty** Honoree Business First, Nov. 7, 2002, Buffalo, NY.
- **IAPR/ ICDAR Outstanding Young Investigator**, 2001 (IAPR) "For visibly demonstrating the utility of pattern recognition algorithms in complex applications of postal document handling and for outstanding scientific productivity".

Conference Best Paper/Competition Awards
- IEEE WNY Image Processing, Student Best Paper Award, Rochester, NY2015.
- **NetMob**, D4D Senegal Challenge, National Statistics Prize, Cambridge, MA, 2015,
- **ICFHR, ITESOFT** Best Paper Award**,** Kolkata, India, 2010
- **ICPR, IBM** Best Student Paper Award**,** (X. Peng), Istanbul, Turkey, 2010.
- **ICDAR** Best Paper Award, Barcelona, 2009.
- **ICDAR** 1st Place in Line segmentation competition, Barcelona, 2009.

Industry Faculty Research Awards
- **Qualcom** Faculty Research Award, 2014
- **eBay** Faculty Research Award 2012.
- **Fujitsu** Research Award 2011, 2013.
- **HP Open Innovation** Award 2008, 2009, 2010.
- **Google** Faculty Award 2005, 2011.
- **IBM** Faculty Award 2003-04.

Personal: US Citizen (Naturalized 2000); DOB June 1964;   Married.

4. Honors
- **Fellow of SPIE –** Int. Society for Optics and Photonics, 2013, "For document recognition and retrieval".
- **Fellow of AAAS** – American Association for the Advancement of Science, 2010, "For outstanding contributions to the areas of biometrics and document recognition and retrieval".
- **Fellow of ACM** – Association of Computing Machinery, 2009, "For contributions to handwritten document image analysis, recognition, and retrieval".
- **Fellow of IEEE** - Institute of Electrical and Electronics Engineers, 2006, "For contributions to handwriting recognition".
- **Fellow of IAPR** – Int. Association of Pattern Recognition, 2004, "For contributions to advances in handwriting recognition".
- **Fellow of IETE** – Institute of Electronics and Telecommunication Engineers, 2002.

5. Research Impact
- Computing Community Consortium (http://www.cra.org/ccc/), March 25, 2009 - Computing Research that Changed the World: Reflections and Perspectives, "...Using a learning-based system developed at SUNY Buffalo by Venu Govindaraju and colleagues, 25 billion letters a year are processed automatically by the US postal service - bar-coded for precise deliver - saving hundreds of millions of dollars..."
- Transferred technology to the Postal Services in US, Australia, and UK which was deployed.
- Supervised the dissertations of 35 doctoral and 15 masters students as their major advisor.
- Principal or Co-Investigator of sponsored projects funded for about 65 million dollars.
- Total scientific publications: 450 (82 journal papers; 22 book chapters); Edited books: 5
- Total citations is 12,000; h-index is 52; DBLP count of 300 (among most prolific authors)
- Research reported by BBC Radio April 2012; Scientific American, March 2012; ACM TechNews – October 2010, September 2007, January 2005; MIT Tech Review, January 2009, October 2009.

6. Professional Service Highlights
- President, IEEE Biometrics Council (2015-17)
- Editor-in-Chief, IEEE Biometrics Council Compendium (2012-16)
- Editorial board of IEEE Access (2015-), IEEE Transactions of Information and Forensics Security (2015 -), International Journal of Document Analysis and Recognition (2003-), IET Biometrics Identification (2012-), IEEE Transactions of Pattern Analysis and Machine Intelligence (2001-2005), IEEE Systems, Man, and Cybernetics (2000-2008), Pattern Analysis and Applications (2004-2008), and Pattern Recognition Journal (1997-2005).
- General Co-Chair of IAPR International Conference on Document Analysis and Recognition (2013), Multilingual OCR Workshop (2015, 13, 11, 09), International Workshop on Document Analysis Systems (2010), 4th IEEE AutoID (2004).
- General Program Co-chair of IAPR International Conference on Document Analysis and Recognition (2005), CVPR Biometrics workshop (2006-12)
- Program Committee member of over 70 conferences and workshops
- Given over 150 invited talks including over 25 keynotes and over 25 colloquium talks

7. Patents
- US 20060078171: "Biometric Convolution Using Multiple Biometrics", V. Govindaraju, S. Chikkerur, and S. Chavan. 2010.
- US 7,580,551. "Method and Apparatus for Analyzing And/Or Comparing Handwritten And/Or Biometric Samples", S. Srihari, V. Govindaraju, et. al. 2009.
- WO/2008/121183. "Method for Diagnosis of Physiological States by Detecting Patterns of Volatile Analytes", F. Bright, A. Cartwright, V. Govindaraju, H. Wesley, and A. Titus. 2008.
- US 5,515,455: "System for Recognizing Handwritten Words of Cursive Script", V. Govindaraju, D. Wang, and S. Srihari. 1996.