

SHORT BIOGRAPHY and CURRICULUM VITAE

BAHRAM JAVIDI

Board of Trustees Distinguished Professor, University of Connecticut

Short Biography

Bahram Javidi is Board of Trustees Distinguished Professor at University of Connecticut, which is the highest rank and honor bestowed by the university on a faculty member based on research, teaching, and service. Prof. Javidi has been recognized by nine best journal and conference paper awards, and several major awards from professional societies and foundations. Prof. Javidi has been named Fellow of eight National and International professional scientific societies. Prof. Javidi is Fellow of the Institute of Electrical and Electronics Engineers (IEEE), Fellow of the American Institute for Medical and Biological Engineering (AIMBE), Fellow of the Optical Society of America (OSA), Fellow of the European Optical Society (EOS), Fellow of The International Society for Optics and Photonics (SPIE), Fellow of the Institute of Physics (IoP), Fellow of The Society for Imaging Science and Technology (IS&T), and Fellow of The Institution of Electrical Engineers (IEE). In 2008, he received the Fellow award by John Simon Guggenheim Foundation.

Prof. Javidi received the 2008 Institute of Electrical and Electronics Engineers (IEEE) Donald G. Fink Prize Paper Award chosen among all (over 140) IEEE Transactions, Journals, and Magazines. In 2010, he was the recipient of The George Washington University's Distinguished Alumni Scholar Award, University's highest honor for its alumni in all disciplines. In 2007, The Alexander von Humboldt Foundation awarded Prof. Javidi the Humboldt Prize for outstanding international scientists, Germany's highest research award for senior scientists and scholars in all disciplines. He received the Technology Achievement Award from The International Society for Optics and Photonics (SPIE) in 2008.

In 2005, Prof. Javidi received the Dennis Gabor Award in Diffractive Wave Technologies from the International Society for Optics and Photonics (SPIE). Prof. Javidi was the recipient of the Institute of Electrical and Electronics Engineers (IEEE) Photonics Society [former IEEE Lasers and Electro-optics Society] Distinguished Lecturer Award twice in 2003-2004 and 2004-2005. Prof. Javidi was twice awarded the Institute of Electrical and Electronics Engineers (IEEE) Best Journal Paper Award from IEEE Transactions on Vehicular Technology in 2002 and 2005.

Prof. Javidi was selected in 2003 as one of the nation's top 160 engineers between the ages of 30-45 by the National Academy of Engineering (NAE) to be an invited speaker at The Frontiers of Engineering Conference which was co-sponsored by The Alexander von Humboldt Foundation. He is an alumnus of the Frontiers of Engineering of The National Academy of Engineering since 2003.

Prof. Javidi has over 780 publications. He has completed 9 books and 54 book chapters. He has published over 340 technical articles in major peer reviewed journals. He has published over 370 conference proceedings, including over 120 Plenary Addresses, Keynote Addresses, and invited conference papers. Some of his journal papers are among the 10 most cited in their topic according to the ISI Web of Science database. His papers have been cited 9000 times according to the citation index of WEB of Science (*h index*=52).

Prof. Javidi's papers have appeared in The Proceedings of the Institute of Electrical and

Electronics Engineers (IEEE) Journal (ranked number 2 among all electrical and electronics engineering journals), Journal of the Royal Society, Physics Today, and Nature, and his research has been cited in Nature Physics, the IEEE Spectrum, Science, New Scientist, Photonics Spectra, OE Reports, OE Magazine, The International Society for Optics and Photonics (SPIE) Newsroom, the Institute of Electrical and Electronics Engineers (IEEE) LEOS Newsletter, Optics and Photonics News Magazine, NASA, and National Science Foundation Newsletters. He has 19 patents, some of which have been licensed by industry.

Prof. Javidi has supervised over 115 Master's and Doctoral graduate students, Post Doctoral Students, Visiting Scientists, Visiting Professors, and Scholars during his academic career. He is a strong believer in international scientific exchanges and collaboration. He has co-authored scientific publications with over 150 different scientists and engineers from around the globe.

In 2012, Prof. Javidi's paper ["Tracking of Multiple objects in Unknown Background using Bayesian Estimation in 3D Space," published by the Journal of Optical Society of America A, Vol. 28, No. 9, pp 1935-1940, September 2011] was nominated and selected by The Optical Society of America among all its six major technical divisions to be showcased in *Spotlight on Optics*. In 2011, Prof. Javidi was the co-recipient of Best Paper Award presented at Information Optics and Workshop, sponsored by Institute of Electrical and Electronics Engineers (IEEE) Photonics Society and European Optical Society in Benicassim, Spain. In 2010, he was the co recipient of Best Paper Award presented at Information Optics and Photonics Workshop, sponsored by the Institute of Electrical and Electronics Engineers (IEEE) Photonics Society in Helsinki, Finland. In the same year, he was the co recipient of the Best Paper Award presented at the 3D imaging, Visualization, and Display conference held as part of The International Society for Optics and Photonics Defense and Security Symposium. He was the co recipient of the Best Paper Award presented at the Workshop on Information Optics and Photonics 2009, sponsored by the Institute of Electrical and Electronics Engineers (IEEE) Photonics Society, European Optical Society, and Institute of Physics, held at Ecole de Mines in Paris, France in July 2009. Prof. Javidi was the co recipient of the Lockheed Martin Automatic Target Recognition (ATR) Best Paper Award in 2008. In 2007 and 2008, he was the co-recipient of the best paper awards from the Information Optics workshops sponsored by the Institute of Electrical and Electronics Engineers (IEEE) Photonics Society, The International Society for Optics and Photonics (SPIE), Institute of Physics, and European Optical Society.

Early in his career, the National Science Foundation named Prof. Javidi a Presidential Young Investigator. Also, he received The Engineering Foundation and the Institute of Electrical and Electronics Engineers (IEEE) Faculty Initiation Award. Prof. Javidi was a David Packard Fellowship finalist at the completion of his PhD program.

In 2012, Prof. Javidi received the American Association for University Professors (AAUP) Research Excellence Award. Prof. Javidi has been awarded the University of Connecticut Board of Trustees Distinguished Professor Award, The School of Engineering Distinguished Professor Award, the University of Connecticut Alumni Association Excellence in Research Award, The Chancellor's Research Excellence Award, The Provost's Economic Development Research Award, and the Electrical and Computer Engineering Department Outstanding Research Award (in 2001 and 2011). He received The Connecticut Innovations Inc. (CII) Inventor Award in 2001. He is a member of Connecticut Academy of Sciences And Engineering (CASE).

Prof. Javidi is on the Editorial Board of the Proceedings of the Institute of Electrical and

Electronics Engineers (IEEE) Journal (ranked number 2 among all electrical and electronics engineering journals), and is currently the Editor in Chief of the Springer-Verlag series on Advanced Science and Technologies for Security Applications. He has served on the editorial boards of the IEEE Journal of Display Technologies and The International Society for Optics and Photonics Optics Reviews Journal. Prof. Javidi has served as topical editor for Springer-Verlag, Marcel Dekker, Optical Engineering Journal, and the Institute of Electrical and Electronics Engineers (IEEE)/The International Society for Optics and Photonics (SPIE) Press Series on Imaging Science and Engineering.

In 2008, he was elected by the members to be on The Board of Directors of The International Society for Optics and Photonics (SPIE). He has served as the Chairman of the Institute of Electrical and Electronics Engineers (IEEE) Lasers and Electro-optics (LEOS) Technical Committee on Electro-optics Sensors and Systems, member of the the Institute of Electrical and Electronics Engineers (IEEE) Neural Networks Council, Technical Advisory Board of the Institute of Electrical and Electronics Engineers (IEEE) LEOS, Chairman of the Optics in Information System Working Group of The International Society for Optics and Photonics (SPIE), Chair of the Optical Society of America (OSA) Image Sensors and Recognition Technical Group, co-chair of the Automatic Target Recognition Technical Group of The International Society for Optics and Photonics (SPIE), and founding member of the Executive Committee of the Homeland Security Technical Group of The International Society for Optics and Photonics (SPIE).

Prof. Javidi has either chaired and/or served on the program committees of more than thirty national and international conferences on optics/photonics, imaging, and information systems sponsored by the Institute of Electrical and Electronics Engineers (IEEE), DARPA, US Air Force, the Optical Society of America (OSA), The International Society for Optics and Photonics (SPIE), the European Optical Society (EOS), Japan Applied Physics Society, French Optical Society, IEE (UK), Optical Society of Korea, Optical Society of Spain, American Institute of Physics, and the International Commission for Optics (ICO).

Prof. Javidi has over 80 invited seminars, including distinguished lecturer at Northwestern University; the Institute of Electrical and Electronics Engineers (IEEE) distinguished lectures at IEEE Chapters in the US, Europe, and Asia; Eastman Kodak Weissberger-Williams Lecture; Optical Society of America Travelling Lecturer, The International Society for Optics and Photonics (SPIE) Visiting Lecturer, and invited lectures and workshops at numerous universities, industries, and government Labs. In 1997, Prof. Javidi was invited for a presentation at United States Congress sponsored by National Science Foundation, American Institute Of Physics, and Coalition for National Science Funding (CNSF).

Prof. Javidi received the B.S. degree in electrical engineering from George Washington University, and the M.S. & Ph.D. degrees in electrical engineering from the Pennsylvania State University. He has held visiting positions at Massachusetts Institute of Technology, United States Air Force Rome Lab at Hanscom Air Force Base, University of Stuttgart, and Thomson-CSF Research Labs in Orsay, France. He is a consultant to government and industry in the areas of optics, optical systems, image sensors and recognition systems, and 3D optical imaging systems. He has had collaborative research initiatives with numerous universities and industries in the USA, Japan, S. Korea, China, India, Italy, Germany, Israel, Iran, France, Ireland, England, Singapore, Egypt, Spain, Switzerland, and Mexico.