

Short Biography

BAHRAM JAVIDI

Board of Trustees Distinguished Professor, University of Connecticut

Bahram Javidi is Board of Trustees Distinguished Professor at University of Connecticut which is the highest rank and honor bestowed on a faculty member based on research, teaching, and service. Dr. Javidi has been recognized by five best paper awards, and several major awards from international professional societies and foundations. He has been named Fellow of seven National and International professional scientific societies. He 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 International Society for Optical Engineering (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.

He received the 2008 IEEE Donald G. Fink prized paper award among all (over 180) IEEE Transactions, Journals, and Magazines. In 2007, The Alexander von Humboldt Foundation awarded Dr. Javidi the Humboldt Prize for outstanding US scientists, Germany's highest research award for senior U.S. scientists and scholars in all disciplines. He received the Technology Achievement Award from the The International Society for Optical Engineering (SPIE) in 2008. He was the co recipient of the Lockheed Martin Automatic Target Recognition (ATR) Best Paper Award in 2008. In 2007, he was the co-reipient of the best paper award from the Information Optics workshop sponsored by IEEE LEOS, SPIE, and University of Iceland. In 2005, Dr. Javidi received the Dennis Gabor Award in Diffractive Wave Technologies by the International Society for Optical Engineering (SPIE). He was the recipient of the IEEE Lasers and Electro-optics Society Distinguished Lecturer Award twice in 2003–2004 and 2004–2005. He was awarded the IEEE Best Journal Paper Award from IEEE Transactions on Vehicular Technology twice in 2002 and 2005. In 1990, the National Science Foundation named Prof. Javidi a Presidential Young Investigator. In 1987, he

received The Engineering Foundation and the Institute of Electrical and Electronics Engineers (IEEE) Faculty Initiation Award. He was a David Packard Fellowship finalist at the completion of his PhD program. He 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.

He 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 first Electrical and Computer Engineering Department Outstanding Research Award. He received The Connecticut Innovation Inc. (CII) Inventor Award in 2001. He is a member of Connecticut Academy Of Science And Engineering (CASE).

Prof. Javidi has supervised over 90 Masters and Doctoral graduate students, Post Doctoral Students, Visiting Scientists, Visiting Professors and Visiting Scholars during his academic career. He is a strong believer in international scientific exchanges and collaboration. He has co-authored scientific publications with over 140 different scientists and engineers from around the globe.

Prof. Javidi has over 630 publications. He has completed 9 books and 44 book chapters. He has published over 250 technical articles in major peer reviewed journals. He has published over 330 conference proceedings, including over 110 Plenary Addresses, Keynote Addresses, and invited conference papers. His papers have been cited over 4500 times according to the citation index of WEB of Science.

Dr. Javidi's papers have appeared in The Proceedings of the IEEE Journal (ranked number 2 among all IEEE journals), Journal of the Royal Society,

Physics Today, and Nature, and his research has been cited in Nature Physics, The publications of The National Academy of Engineering, the IEEE Spectrum, Science, New Scientist, Photonics Spectra, OE Reports, OE Magazine, SPIE Newsroom, 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 is on the Editorial Board of the Proceedings of the IEEE Journal, and is currently the Editor in Chief of the Springer-Verlag series on Advanced Science and Technologies for Security Applications. He is on the editorial board of the IEEE Journal of Display Technologies. He has served as topical editor for Springer-Verlag, Marcel Dekker, Optical Engineering Journal, and IEEE/SPIE Press Series on Imaging Science and Engineering. In 2008, he was elected by the members to be on The Board of Directors of SPIE, The International Society for Optical Engineering. He has served as the Chairman of the IEEE Lasers and Electro-optics (LEOS) Technical Committee on Electro-optics Sensors and Systems, member of the IEEE Neural Networks Council, Technical Advisory Board of IEEE LEOS, Chairman of the Optics in Information System Working Group of Optical Engineering Society (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 Optical Engineering Society (SPIE), and founding member of the Executive Committee of the Homeland Security Technical Group of Optical Engineering Society (SPIE). He 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 IEEE, DARPA, US Air Force, the Optical Society of America (OSA), 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 60 invited presentations, including distinguished lecturer at Northwestern University, IEEE distinguished lectures at IEEE Chapters in the US, Europe, and Asia, Eastman Kodak Weissberger-Williams Lecture, and invited lectures and workshops at numerous universities,

industries, and government Labs. In 1997, he 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, France, Ireland, England, Egypt, Spain, and Mexico.