



Hilmi Volkan Demir (IEEE Fellow, OPTICA Fellow) is a professor at the School of Electrical and Electronic Engineering, together with the Schools of Physical and Mathematical Sciences and of Materials Science and Engineering at NTU Singapore. Professor Demir established the Centre of Excellence for Semiconductor Lighting and Displays, LUMINOUS! at NTU. Demir earned his PhD (2004) and MSc (2000) degrees from Stanford University, USA, and his BSc (1998) from Bilkent University, Ankara, one of the top engineering schools in Turkey. Concurrently, Dr. Demir is a professor of electrical engineering and physics at Bilkent University, his alma mater, and UNAM–The National Nanotechnology Research Center at Bilkent. His current research interests include the science and technology of semiconductor lighting and displays, nanocrystal optoelectronics, and smart metastructured implants. Demir published over 350 peer-reviewed research articles in major scientific journals, 125 of which belong to Nature Index journals, and delivered over 250 invited seminars, lectures and colloquia in industry and academia around the globe. As a PI, Demir has contributed to commercialization and licensing of over 10 new enabling technologies, generating over 100 patent applications (granted and pending) as a principle inventor. These scientific and entrepreneurship activities resulted in several important awards including Nanyang Award for Research Excellence, NRF Investigatorship Award of Singapore, EURYI Award of European Science Foundation, and TÜBİTAK Science Award of Turkey.