

Curriculum Vitae

Joseph Talghader obtained his B.S. in electrical engineering from Rice University in 1988. He was awarded an NSF Graduate Fellowship and studied at UC-Berkeley to obtain his M.S. and Ph.D. in 1993 and 1995, respectively. In graduate school, Dr. Talghader investigated vertical-cavity surface-emitting lasers and fluidic self-assembly technologies. From 1992-1993 and 1995-1996 he developed nonvolatile memory at Texas Instruments and Waferscale Integration. In 1997, Dr. Talghader joined the University of Minnesota, where he is now a Full Professor. His primary research areas are infrared detectors, optical coatings, nanomechanical systems, and microsensors, and he has numerous papers and patents in these areas. Dr. Talghader has received 3M Faculty Awards on three occasions. He has served as General Chair and Program chair of the 2006 and 2003 IEEE Optical MEMS and Nanophotonics Conferences and as Guest Editor of the IEEE JSTQE 2004 and 2007 Special Issues on Optical Micro- and Nanosystems.