


Personal Information

Full name	Dr. Joseph A. Stroscio	
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Short Biography

Joseph Stroscio is a Project Leader and NIST Fellow in the Electron Physics Group in the CNST at NIST. He received a Ph.D. in Physics from Cornell University working in the group of Professor Wilson Ho. Prior to joining NIST in 1987, he worked as a postdoctoral researcher at the IBM T. J. Watson Research Center, where he pioneered the development of scanning tunneling microscopy and spectroscopy measurements. At NIST, Stroscio leads multiple projects in nanoscale physics and technology. His research has encompassed areas including: atomic manipulation; the physical properties of nanostructures; nanoscale magnetism; the epitaxial growth of metal and semiconductor systems; and low-dimensional electron systems in graphene and related 2D materials. Stroscio has designed and constructed numerous state-of-the-art scanning probe systems involving creative custom designs that operate in ultra-high vacuum, at ultra-low temperatures, and in ultra-high magnetic field environments. He has authored or coauthored over 110 peer reviewed publications.

Stroscio is a Fellow of the American Association for the Advancement of Science (AAAS), the American Physical Society (APS), and the American Vacuum Society (AVS). He has received the Arthur S. Flemming Award, the Department of Commerce Silver Medal Award, the Sigma Xi Young Scientist Award, the Department of Commerce Gold Medal Award, the Nano50 Award, the AVS Nanotechnology Recognition Award, the NIST Samuel Wesley Stratton Award, and was the recipient of the Presidential Rank Award. He has served on numerous committees of the AVS, APS, and on the Editorial Board of the Review of Scientific Instruments.