

Timothy Laurence Killeen

Education

B.S. Honors 1st Class (Physics), University College London, 1972

Ph.D. (Atomic and Molecular Physics), University College London, 1975

Appointments

1975-1978 Research Assistant, University College London
1978-1979 Postdoctoral Scholar, University of Michigan
1979-1984 Assistant Research Scientist, University of Michigan
1984-1987 Associate Research Scientist, University of Michigan
1987-1990 Associate Professor, Atmospheric, Oceanic, & Space Sciences, Univ. Michigan
1992 Visiting Senior Scientist, NASA Goddard Space Flight Center
1990-2000 Professor, Atmospheric, Oceanic, & Space Sciences, University of Michigan
1993-1998 Director, Space Physics Research Laboratory, University of Michigan
1997-2000 Director, Global Change Laboratory, University of Michigan
1997-2000 Associate Vice President for Research, University of Michigan
2000-Present Director and Senior Scientist, National Center for Atmospheric Research

Selected Professional Activities

Chair, Program Review Committee for the NSF Aeronomy Program, 1986-88
Associate Editor, *Journal of Geophysical Research* (Space Physics), 1987-92
Chair, NSF CEDAR Program Science Steering Committee, 1988-91
Chair, NASA Space Physics Subcommittee, 1991-94
Editor-in-Chief, *Journal of Atmospheric and Solar-Terrestrial Physics*, 1999-Present
President, American Geophysical Union Space Physics and Aeronomy Section, 1998-2000
Co-Chair, US Weather Research Program Interagency Working Group, 2002-2004
President-Elect, American Geophysical Union, 2004-2006

Selected Honors and Awards

NASA Achievement Award, Dynamics Explorer Spacecraft, NASA, 1985
Excellence in Research Award, University of Michigan, College of Engineering, 1993
Excellence in Teaching Award, University of Michigan, College of Engineering, 2000
Fellow of the American Meteorological Society, 2005

Selected Publications

Killeen, T. L., P. B. Hays, N. W. Spencer, and L. E., Wharton, Neutral winds in the polar thermosphere as measured from Dynamics Explorer, *Geophys. Res. Lett.*, **9**, 957-960, 1982.
Killeen, T. L., and R. G. Roble, An Analysis of the high-latitude thermospheric wind and temperature structure using a thermospheric general circulation model: I, Momentum forcing, *J. Geophys. Res.*, **89**, 7509-7522, 1984.
Killeen, T. L., and R. G. Roble, Thermosphere dynamics: Contributions from the first five years of the Dynamics Explorer Program, *Rev. Geophys.*, **26**, 329-367, 1988.
Killeen, T. L., F. G. McCormac, A. G. Burns, J. P. Thayer, R. M. Johnson and R. J. Niciejewski, On the Dynamics and Composition of the High-Latitude Thermosphere, *J. Atmos. Terr. Phys.*, **53**, No. 9, 797-815, 1991.
Killeen, T. L., A. G. Burns, I. Azeem, S. Cochran, and R. G. Roble, A Theoretical analysis of the energy budget of the lower thermosphere, *J. Atmos. Terr. Phys.*, **59**, 675-689, 1997.