Curriculum Vitae

Name: Kenneth Lynn Pryor

Degree and date to be conferred: Ph.D., 2022

Secondary education: Governor Thomas Johnson High School, Frederick, Maryland, 1985

Collegiate institutions attended:
Virginia Polytechnic Institute and State University, Blacksburg, Virginia, Bachelor of Arts (B.A.), 1989
Major: Interdisciplinary Studies, concentrations: Physics, Geology, Naval Science

University of Maryland, College Park, Maryland, Master of Science, 2000-2004
Major: Meteorology

University of Maryland, Baltimore County, Maryland, Doctor of Philosophy (Ph.D.), 2016-2022
Major: Atmospheric Physics

Professional Publications:

Pryor, K. L., 2022: Examination of the Physical Process of Severe Convective Windstorms [Doctoral dissertation]. University of Maryland, Baltimore County.

Pryor, K.L., 2022: "Downburst monitoring and prediction studies". Field Measurements for Passive Environmental Remote Sensing, Elsevier, Cambridge, MA, 2022, pp. 411–429.

Pryor, K. L., and B. Demoz, 2022: A Retrospective Satellite Analysis of the June 2012 North American Derecho. Remote Sensing, 14(14), 3479; https://doi.org/10.3390/rs14143479

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Kalluri, S., C. Barnet, M. Divakarla, R. Esmaili, N. Nalli, K. Pryor, T. Reale, N. Smith, C. Tan, T. Wang, J. Warner, M. Wilson, L. Zhou, and T. Zhu, 2022: Validation and Utility of Satellite Retrievals of Atmospheric Profiles in Detecting and Monitoring Significant Weather Events. Bulletin of the American Meteorological Society, 103, E570-E590, doi:10.1175/BAMS-D-20-0126.1

Pryor, K. L., T. Wawrzyniak, and D. Zhang, 2019: The College Park, Maryland, Tornado of 24 September 2001, Geosciences, 9(10), 452, doi: 10.3390/geosciences9100452.

Ellrod, G. P., and K. L. Pryor, 2018: Applications of geostationary satellite data to aviation. Pure Appl. Geophys., 176, 2017–2043, doi: 10.1007/s00024-018-1821-1

Pryor, K. L., 2018: A remote microphysical study of severe wind-producing convective storms. Proc. 18th conf. on cloud physics, Vancouver, BC, Canada, Amer. Meteor. Soc., Paper (No. 245).

Pryor, K. L., 2017: Advances in downburst monitoring and prediction with GOES-16. Proc. 17th conf. on mesoscale processes, San Diego, CA, Amer. Meteor. Soc., Paper (No. 10.6).

Pryor, K. L., 2015: Progress and developments of downburst prediction applications of GOES. Wea. Forecasting, 30, 1182–1200, doi: 10.1175/WAF-D-14-00106.1.

Pryor, K. L., 2014: Downburst prediction applications of meteorological geostationary satellites, Proc. SPIE 9259, Remote Sensing of the Atmosphere, Clouds, and Precipitation V, 92590F, doi:10.1117/12.2069283.

Pryor, K. L., and G. P. Ellrod, 2004: Recent improvements to the GOES microburst products. Wea. Forecasting, 19, 582-594, doi: 10.1175/1520-0434(2004)019.

Professional positions held:

United States Navy, Weapons and Weather Officer, 1991-1993, USS San Diego (AFS-6), Norfolk, Virginia

Meteorological Technician, 1994–1997, National Weather Service Office, Wilmington, Delaware; Baltimore, Maryland; South Bend, Indiana

Meteorologist, 1997-2000, 43rd Operations Support Squadron, Pope Air Force Base, North Carolina

Meteorologist, 2000–present, NOAA/NESDIS/STAR, 5830 University Research Court, College Park, MD 20740