

Dr. Andrew K. Persily is Leader of the Indoor Air Quality and Ventilation Group, Building Environment Division of NIST's Building and Fire Research Laboratory.

Dr. Persily works on indoor air quality and ventilation in commercial and residential buildings. His work includes the development and application of measurement techniques to evaluate the air exchange and air quality characteristics in large, mechanically ventilated buildings. The evaluation procedures include tracer gas techniques for measuring air exchange rates and air distribution effectiveness, contaminant level measurements, and envelope airtightness performance characterization. He is also involved with the development and application of multi-zone airflow and contaminant dispersal models.

Dr. Persily is a past member of the Board of Directors of the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), and is past chair of ASHRAE SSPC 62.1, responsible for the revision of the ASHRAE Ventilation Standard 62. He is chair of ASTM Subcommittee E6.41 on Air Leakage and Ventilation Performance and vice-chair of subcommittee D22.05 on Indoor Air Quality.

Dr. Persily's first two years at the National Bureau of Standards were as a National Research Council Postdoctoral Research Associate, working on air infiltration in homes and large buildings. He received the Department of Commerce Bronze Medal in December 1989, and was named Young Engineer of the Year by the D.C. Council of Engineering and Architectural Societies in 1990. He was honored as an ASTM Fellow in 2002 and an ASHRAE Fellow in 2004.

Dr. Persily received a B.A. in Physics and Mathematics from Beloit College, and M.A. and Ph.D. degrees in Mechanical and Aerospace Engineering from Princeton University.