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Dr. Miller is a mechanical engineer with over 30 years of experience conducting experimental and analytical analysis of vapor compression refrigeration systems, absorption heat and mass transfer, and building thermal envelopes. He has expertise in finite difference heat conduction including mixed convection regimes common in building envelopes. Dr. Miller received his Ph.D., M.S., and B.S. in Mechanical Engineering and a B.S. in Agronomy at the University of Tennessee. He has been a staff member at Oak Ridge National Laboratory since 1979 and previously contributed to ORNL programs in Falling Film Absorption technology, and in Refrigeration Relevant professional activities include: Pi Tau Sigma, Phi Kappa Phi, ASME, ASHRAE and SPRI. He formerly chaired SPRI's reflectance committee and ASHRAE's T.C. 1.2 on Instruments and Controls.