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Kevin Birdwell is a research associate with the Modeling and Simulation Group in the Computational Sciences and Engineering Division at Oak Ridge National Laboratory. The Group has 37 computer-oriented professionals focused in the area of computational solutions to engineering and physics problems. The Group has expertise in parallel discrete event simulations and physics-based predictive simulations, including heat transfer and fluid flow, structural and fracture mechanics, biomedical applications, environmental modeling, complex nonlinear systems, behavior sciences, and system integration.

In research, Mr. Birdwell has worked on a variety of environmental science problems including storm climatology vulnerability in coastal regions, local/regional-scale climate data analysis and change, complex terrain meteorology, complex terrain air pollution and dispersion modeling. He authors/coauthors 10 reports and papers in the open literature. He currently serves as the manager of the emergency response and environmental compliance meteorological tower program for Oak Ridge National Laboratory and the East Tennessee Technology Park. In addition, he serves as a meteorological consultant for the Oak Ridge National Laboratory Emergency Operations Center. He has a B.S. in geography and mathematics from Murray State University at Murray, KY. Additionally, he holds an M.S. in geography, remote sensing, and math from Murray State University. He is a PhD candidate in geography (meteorology and environmental change emphasis) at the University of the Tennessee in Knoxville. Mr. Birdwell is a member of the American Meteorological Society and the American Society for Photogrammetry and Remote Sensing.