

Philip D Edmondson



Dr Philip Edmondson is a Research and Development Staff Member and Group Leader of the Fundamentals of Radiation Effects Group at Oak Ridge National Laboratory. His research interests are focused on the understanding of the interactions of energetic particles with matter through the nanoscale characterization of the resulting defect/damage formation and recovery; and inert gases in solids. He studies these using a combination of advanced microscopy techniques including transmission electron microscopy, scanning transmission electron microscopy, and atom probe tomography. He obtained his PhD in Physics from the University of Salford (UK) in 2007. Prior to his position at ORNL, he held a Engineering and Physical Science Research Council (EPSRC) Career Acceleration Fellowship at the University of Oxford (UK) using analytical microscopy methods to understand the effects of radiation in a variety of materials. He is currently the Chair for the Nuclear and Environmental Technology Division of the American Ceramic Society.