

Kory Burns is an assistant professor in the department of materials science and engineering at the University of Virginia, and a visiting assistant professor at Oak Ridge National Laboratory jointly in the quantum heterostructures group and advanced electron microscopy group. Originally, Kory obtained his PhD in 2022 from the University of Florida in materials science and engineering within the nuclear engineering program where he studied the ion-solid interactions in 2D materials. Currently, Kory works on projects sponsored by NASA to artificially generate extraterrestrial atmospheres inside a transmission electron microscope, and Sandia National Laboratories to determine the radiational tolerance of ternary two-dimensional materials with stoichiometric variations. Kory serves as a board member with Guide Outreach, practitioner with NASA's astrophysics directorate, and distinguished committee member in the center for integrated nanotechnologies.