

Vitaly Pavlenko received his PhD degree in 2010, thesis title “Josephson vortex dynamics in high temperature superconductor $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ (Bi-2212)”. After joining LANL’s Accelerator Operations and Technology Division the same year as a postdoc, and then becoming a staff member in 2014, his main research interests became growth and characterization of photocathode thin films. In particular, Dr. Pavlenko is developing thin film growth equipment and control techniques, specialized light sources for photoexcitation, and experiments for validation of the photoemission models.