

## **Biographical Summary**

Jacob C. Zier is a research physicist in the Pulsed Power Physics Branch of the Naval Research Laboratory. After completing his Ph.D. in Nuclear Engineering from the University of Michigan in 2010, he joined the NRL Charged Particle Beam Section to develop intense electron beam diodes for active detection of smuggled nuclear materials. Presently he leads the DOE/NNSA-supported radiography development team, focusing on radiographic diodes and diagnostic development for stockpile stewardship applications. His primary areas of expertise are in experiments using intense electron beams, x-ray radiography, radiation and plasma diagnostics, and pulsed power architectures.