

Andrew D. Greenwood received the B.S. degree in 1993 and the M.S. degree in 1995, both from Brigham Young University in electrical engineering. He received the Ph.D. in electrical engineering in 1998 from the University of Illinois, where he studied the use of the finite element method to compute electromagnetic scattering and radiation from axisymmetric bodies. In 1996, he joined Rome Laboratory as a Palace Knight employee, in 1998 he joined the Directed Energy Directorate of the Air Force Research Laboratory at Kirtland AFB, NM, and in 2022 he became an International Program Officer with the Air Force Office of Scientific Research (AFOSR). Dr. Greenwood's research interests include numerical methods, parallel computing, and the simulation of high power microwave devices and high power microwave antennas. He is one of the primary developers of the state of the art electromagnetic particle in cell code ICEPIC. He is also a member of the IEEE Antennas and Propagation Society, the IEEE Nuclear and Plasma Science Society, and the Tau Beta Pi and Eta Kappa Nu engineering honor societies. He holds the patent for the "All Cavity Magnetron Axial Extractor", which he designed using ICEPIC simulation. He has published numerous articles in peer reviewed journals and professional conferences.