

Michael C. Wanke received the B.A. degree (*cum laude*) in physics and mathematics from Pomona College, Claremont, CA (1992), and the Ph.D. degree in physics from the University of California, Santa Barbara (1998), where he studied the electron dynamics in periodic structures at THz frequencies.

In 1998, he joined Bell Laboratories, Lucent Technologies, Murray Hill, NJ, as a Postdoctoral Member of the Technical Staff. There he designed and tested mid-infrared (MIR) and terahertz (THz) quantum cascade lasers. In 2001, he joined Sandia National Laboratories, Albuquerque, NM, as a Senior Member of the Technical Staff in the Photonics Microsystems Technologies Department, and was promoted to Principal Member of Technical Staff in 2004. In 2010 he moved into the Laser, Optics and Remote Sensing Department at Sandia. He continues to develop THz and MIR devices including quantum cascade lasers, THz on-chip waveguides, THz integrated circuits, and heterodyne receivers. More recently he has been leading the development team working on a near-infrared solid-state laser.