Trey Porto

Dr. Trey Porto has been a researcher in the Laser Cooling and Trapping group at the National Institute of Standards and Technology (NIST) since 2000. His current interests are ultra-cold atoms in optical lattices, and their use in simulating many-body physics and as architectures for realizing quantum information processing. Dr. Porto's background includes both atomic and condensed matter physics. Prior to joining the Laser Cooling and Trapping group, he studied the atomic physics of highly charged ions at the NIST electron beam ion trap, from 1998-2000. From 1996 to 1998 he worked as a postdoc in the lab of Dr. Dave Pritchard, using single-ion mass spectrometry to make the most accurate relative mass measurements in the world. He received his Ph.D. at Cornell University in 1996, where he studied superfluid 3He in aerogel.