



Edward (Ted) F. Holby has been a scientist at Los Alamos National Laboratory since 2014, having started at the lab as a post-doctoral researcher in 2011. He received his B.A. in Physics from Carleton College in 2004 and his Ph.D. from the University of Wisconsin-Madison in 2011. His research focuses on materials modeling of corrosion and electrocatalysis using multi-scale modeling approaches for energy and transportation applications. He has published 40 peer-reviewed articles and one book chapter with over 2900 citations and an h-index of 19. He is part of a collaborative team that was awarded an R&D100 in 2017. Ted is an active member of the LANL/ANL led Electrocatalysis Consortium (ElectroCat), a member of the Energy Materials Network. This multi-lab collaboration aims to improve state of the art precious metal free electrocatalysts for fuel cell applications. Ted is leading the atomic-scale modeling efforts to better understand ORR activity and durability in these materials, as well as guiding supervised (machine) learning efforts to improve electrocatalyst synthesis.