

Biographical Summary

Peng Zhang is an Assistant Professor at Michigan State University in the Department of Electrical and Computer Engineering. He received his Ph.D. in Nuclear Engineering and Radiological Sciences at the University of Michigan, Ann Arbor in 2012. His research interests are in theory and modeling of nanoelectronics, electromagnetic fields and waves, plasmas, and accelerator technology. He has worked on electrical contacts, thin films, classical, ballistic, and quantum diodes, space-charge-limited current flows, beam-circuit interaction, microwave absorption on rough surfaces, multipactor and breakdown, slow wave structures, z-pinches, laser-plasma interaction, and more recently on quantum tunneling plasmonic junctions and ultrafast photoemission. He is currently serving as an Editorial Board Member for Scientific Reports, a journal by the Nature Publishing Group.