

Bio:

Dr. Berry is currently the team lead for the National Center for Photovoltaic's halide perovskite solar cell program. He is a graduate of the Penn State Department of Physics, receiving his PhD for work on spin physics of magnetic II-VI, III-V and metallic/semiconductor systems. After his PhD work he was awarded a National Research Council Fellowship at the National Institute of Standards and Technology (NIST/JILA), where he worked on the development and application of high-resolution spectroscopic techniques to solid-state electro-optical systems. Since joining NREL he has worked on a range of next generation photovoltaic materials and devices with an emphasis on relating basic interfacial properties to device level performance. He has worked on these issues in several EFRCs and is currently the co-lead of the spins thrust in the NREL CHOISE EFRC as well as PI participating in other CHOISE projects to connect basic science developments technological applications. He also leads research efforts across a number of basic and applied activities in HOIS materials including DOE's primary solar cell focused research efforts "De-risking halide perovskite solar cells".

