



Richard A. Otis

Richard A. Otis is a technologist at the NASA Jet Propulsion Laboratory with experience working across scientific disciplines, particularly in physical chemistry, numerical methods, and Bayesian statistics. He earned his Ph.D. in Materials Science and Engineering from Pennsylvania State University in 2016, where he developed software for CALPHAD modeling of phase stability and transformations in alloy additive manufacturing processes. Otis is the creator and co-lead developer of the PyCalphad open-source thermodynamics package, which was a runner-up for the NASA Software of the Year Award in 2019. He has received several professional awards, including the NASA Early Career Achievement Medal in 2023, and serves on various professional society committees and as a reviewer for multiple academic journals.