

Dr. Joseph Knight

Joseph Knight is an Assistant Professor of Remote Sensing in the Department of Forest Resources at the University of Minnesota, Twin Cities. Dr. Knight studies how changing land use affects both natural resources and humans. He uses geospatial science methods such as remote sensing, image processing, and geographic information systems (GIS) in applications such as: identifying and characterizing natural and anthropogenic landscape change to assess impacts on natural resources, wetlands mapping and characterization, describing landscape-human interactions that lead to exposure to infectious diseases, and thematic accuracy assessment methods development.

Dr. Knight teaches three courses at the University of Minnesota: Remote Sensing of Natural Resources and Environment, Field Remote Sensing and Resource Survey, and Issues in the Environment. He holds a Ph.D. from North Carolina State University and previously worked as a Biologist with the United States Environmental Protection Agency. He is an author of numerous publications, including peer-reviewed journal articles, book chapters, and technical reports. Dr. Knight is a recipient of the 2007 U.S. Environmental Protection Agency Science and Technology Achievement Award.