

Daniela has recently joined Ursa Space Systems (Ursa) as their Director of Machine Learning Applications. Her focus at Ursa is designing advanced machine learning and computer vision algorithms, and analytic solutions to derive business intelligence from remotely sensed data, in particular Synthetic Aperture Radar (SAR) data. Previously, Daniela worked at Descartes Labs as technical project lead for broad area food security monitoring efforts, which included design of novel information extraction and prediction algorithms from fused multispectral satellite imagery and other multi-modal data sets. She was at Los Alamos National Laboratory for 9 years prior to joining Descartes Labs, working on remote sensing and machine learning applications in various research areas, including space systems, astronomy, on-orbit RF and radar systems, and nuclear non-proliferation. She received her M.S and Ph.D. in Electrical Engineering from the University of Maryland, College Park in 2012 with a focus in signal processing, computer vision, and machine learning.