

Meet the SPoRT Team



Dr. Robert Atkinson (USRA) has expertise in remote sensing and processing of this data using McIDAS. He currently works with reading and manipulating imagery from various instruments including MODIS, VIIRS, and GMI for product generation.



Nicholas Elmer (UAH, Ph.D Student) has expertise in remote sensing and modeling. He has worked on applying limb correction techniques to RGB satellite datasets. His current work is focused on connecting SPoRT-LIS output and NASA datasets to WRF-Hydro.



Jordan Bell (UAH) has expertise in remote sensing of disasters as well as GIS. Mr. Bell currently supports the disaster work that SPoRT is being done. He has also taken the lead on incorporating synthetic aperture radar (SAR) data into these activities. Mr. Bell also leads SPoRT's social media efforts to better reach end-users.



Kevin Fuell (UAH) guides training and assessment activities and is one of SPoRT's liaisons--responsible for dissemination of SPoRT products to its partners--with special expertise in development of training and assessment tools. He is also actively involved in SPoRT's GOES-R PG activities using RGB imagery.



Dr. Emily Berndt (UAH) has expertise in hyperspectral IR sounder data and RGBs. She has developed ozone products from AIRS and CrIS to aid forecasters in identifying stratospheric air. Dr. Berndt has led development and assessment of RGB products with national partners.



Frank LaFontaine (Raytheon) has expertise in remote sensing and processing of satellite data. He works with processing a variety satellite imagery, including MODIS, VIIRS, and passive microwave data. Mr. LaFontaine is also the lead for development and evaluation of the SPoRT SST composite.



Dr. Clay Blankenship (USRA) has expertise in use of passive microwave observations and their assimilation into both atmospheric and land surface numerical models. He is currently working on assimilation of satellite-based soil moisture observations into the SPoRT-LIS.



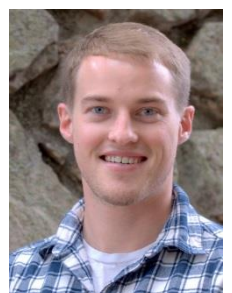
Anita LeRoy (UAH) has expertise in cloud/precipitation properties and convective initiation (CI). She has worked as liaison for GOES-R CI and QPE evaluations and currently leads evaluation activities related to GPM.



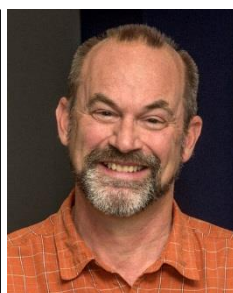
Jonathan Case (ENSCO) has expertise in conducting land surface modeling and NWP experiments using NASA datasets. He is currently continuing development and evaluation of the SPoRT-LIS for domestic and international applications.



Kevin McGrath (Jacobs) leads SPoRT data processing and dissemination activities to SPoRT partners. He has expertise in data/image processing and use of display software, including AWIPS II development and WMS management for disaster response activities. Mr. McGrath is also the curator of the SPoRT Website.



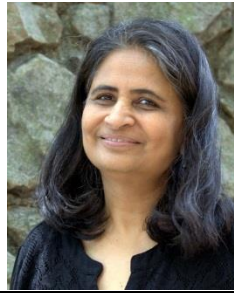
Tony Cole (UAH) has expertise in GIS applications and disaster response. Mr. Cole is currently working to develop techniques for using VIIRS Day Night Band imagery for disaster response.



Paul Meyer (NASA) has expertise is software development and web services. He is the author of SPoRT's dynamic web pages and is currently working to integrate SPoRT data into WMS and web viewer capabilities.



Dr. Andrew Molthan (NASA) is one of the SPoRT Co-PIs and leads remote sensing and disasters activities. He has expertise in development of unique satellite products for situational awareness and disaster response. Dr. Molthan also works to evaluate and improve microphysics schemes in NWP models.



Jayanthi Srikishen (USRA) has experience in computer science. Her current activities include compilation and maintenance of all scientific modeling code used by the SPoRT team. She is currently developing ensemble forecasting and postprocessing scripts to support future modeling collaborations.



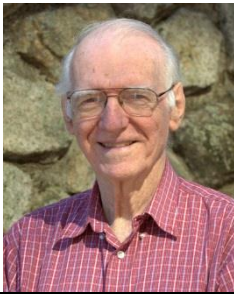
Dr. Aaron Naeger (UAH) has expertise in remotely sensed aerosols and cloud modeling. He has developed a robust satellite-based aerosol product for situational awareness, better understanding regional cloud/aerosol interactions, and improving NWP models.



Dr. Geoffrey Stano (ENSCO, Inc.) has expertise in lightning remote sensing applications and is currently SPoRT's liaison to the NOAA Satellite Proving Grounds. He is currently developing tools and training for lightning visualization related to weather forecasting and lightning safety.



Dr. Chris Schultz (NASA) has expertise in lightning remote sensing and radar. He is currently working to develop new research activities with total lightning observations in preparation for the launch of GLM.



Dr. William Vaughan (Emeritus) is a retired MSFC manager with extensive expertise in the meteorological constraints on launch criteria. Dr. Vaughan assists the SPoRT Team by spreading positive word of the program to potential stakeholders in the engineering community and general public.



Lori Schultz (UAH) has expertise in remote sensing and R2O. She currently works to develop new products from VIIRS DNB and high-resolution imagery. Ms. Schultz also develops training and engages with end-users in the areas of RGBs, hyperspectral IR, DNB, and disasters.



Kris White (NOAA/NASA) is the Applications Integration Meteorologist (AIM)—the official interface between SPoRT and the Huntsville WFO. He works with the SPoRT liaisons to ensure successful transition and application of SPoRT products at the NWS and is an advocate for all SPoRT products.



Matt Smith (UAH) has expertise in code development for display software systems and manipulation of satellite imagery. He currently works on real-time product development and ingest into AWIPS.



Bradley Zavodsky (NASA) is one of the SPoRT Co-PIs and guides modeling and data assimilation activities. He has expertise in hyperspectral IR sounders, their assimilation, and application. He is currently developing new visualizations for analyzing CrIS data within AWIPS.