



Innovative Imaging and Research (I2R) leverages remote sensing and geospatial technologies to provide improved geospatial products and custom instrumentation to high tech industrial, academic and government customers.

Licenses and Certifications

- Economically Disadvantaged Woman Owned Small Business (EDWOSB)

Improved Geospatial Products and Services (Visible-Thermal Infrared)

- Digital camera calibration related services
 - Laboratory and in-flight vicarious radiometric calibration
 - Laboratory and in-field color target reflectance measurement
 - Laboratory camera spectral response measurement
 - Laboratory and in-flight SNR estimation
 - In-flight spatial resolution estimation using typical acquired imagery
 - Spatial resolution target design and data analysis
 - Laboratory and in-flight camera geometric calibration
 - Geopositional accuracy evaluation
 - Comprehensive calibration range design
- Custom image processing algorithms in Matlab, C/C++ and Python
 - Image artifact removal and correction
 - Denoising and image restoration
 - Atmospheric and BRDF correction
 - Radiometric triangulation
 - Low light classifiers
- Electro-optical systems engineering
 - Satellite and aerial electro-optical payloads
- Small remotely piloted vehicle (RPV) operation, imaging workflow and training

Custom Instrumentation

- Integrating sphere design and construction
- Blackbody design and construction
- Advanced plant growth chambers for education and research
- Efficient solid state lighting
- Advanced photocatalytic reactors
- Smartphone based instrumentation

Contacts

Mary Pagnutti—President and Founder
Office: (228) 688-2452
mpagnutti@i2rcorp.com

Dr. Robert E. Ryan—Chief Technical Officer and Founder
Office: (228) 688-2276
rryan@i2rcorp.com