



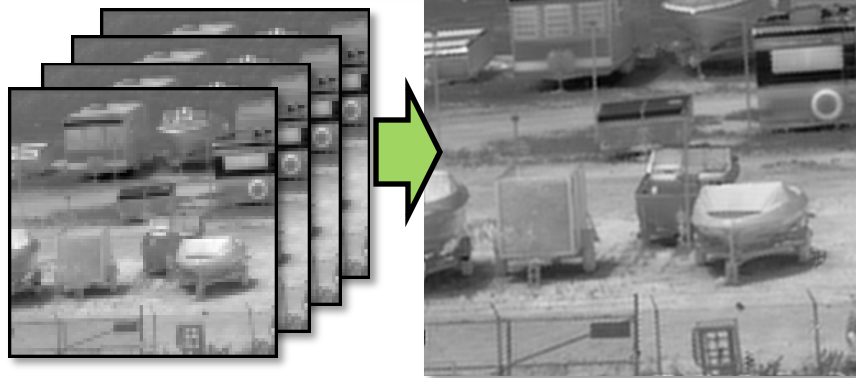
Dr. Russell Hardie

<http://homepages.udayton.edu/~hardierc/>

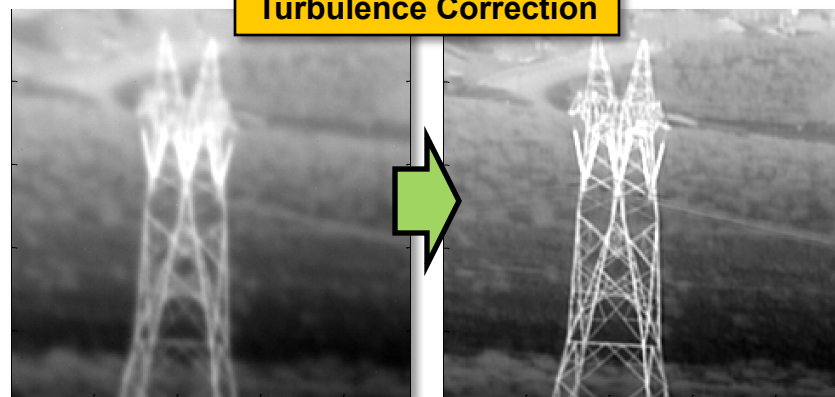
Digital Signal and Image Processing

Dr. Hardie's research includes a wide range of topics in digital signal and image processing. His focus is in the area of signal and image restoration and enhancement. This includes developing innovative algorithms for overcoming limitations of non-ideal sensors through post-processing. He is also active in the areas of hyperspectral and medical image processing. Hyperspectral image processing work includes anomaly detection, change detection, and image fusion. The medical image processing research has focused on the detection and segmentation of pulmonary nodules from computed tomography images and chest radiographs.

Super-Resolution



Turbulence Correction



Nonuniformity Correction



Computer Aided Detection in Medical Images

