

Poster #9-35**A Compact, Broad-Band Hyperspectral SpectroRadiometer**

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Project: SBIR

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A compact, robust, high-performance spectroradiometer has been developed. The system provides large signal-to-noise ratios across a broad spectral range (350-2,500 nm) and is deployable on small unmanned aerial systems. The system is based on a patented design that eliminates off-axis imaging in the fore-optics and provides an additional degree of engineering freedom as compared to conventional systems. This design results in excellent imaging and very high throughput. Test results and images are presented. Updates on deploying the instrument on a UAV with NIST will be provided.