



**NRL BAA Announcement  
# 81-17-01**

### **LOW COST OPTICAL SPACE SURVEILLANCE SYSTEM**

The Space System Development of the Naval Research Laboratory is interested in novel infrared imaging techniques. Specifically we are exploring technologies that push the envelope for sensitivity in the short-wave, mid-wave and long-wave regions. For example, new or novel infrared staring focal planes, optical designs, thermal control or optical materials. White papers should consider the required electronics, processing, sensitivity estimations and target characteristics. We prefer low cost solutions built from COTs or inexpensive components. We prefer technologies that allow for large reductions in Size, Weight, Thermal and Power requirements. Approaches that can be integrated into a small satellite or CubeSat are desired.

Address White papers (WP) to [TPOC8100@NRL.navy.mil](mailto:TPOC8100@NRL.navy.mil). Allow one month before requesting conformation of receipt of WP, if conformation is desired. Substantive contact should not take place prior to evaluation of a WP by NRL. If necessary, NRL will take initiate substantive contact.