



**NRL BAA Announcement  
#53-17-04**

## **RADIOFREQUENCY AND MILLIMETER-WAVE RADAR SYSTEMS, COMPONENTS, & TECHNOLOGIES**

The Advanced Concepts Group of the Radar Division of the US Naval Research Laboratory (NRL) is developing systems, concepts, and techniques for advanced radar systems operating in the radiofrequency (0.3 to 30 GHz) and millimeter-wave (i.e., 30 to 300 GHz) ranges. Areas of specific interest include, but are not limited to innovative hardware, components, and supporting technologies applicable to radiofrequency and millimeter-wave radar systems, including integrated circuits, packaging and module techniques, advanced system/subsystem assembly techniques, innovative antennas and arrays, and wideband digital processors. Other areas of interest include novel signal processing algorithms and atmospheric propagation models applicable in the millimeter-wave range.

NRL is interested in receiving proposals for research related to these research interests. Address White Papers (WP) to [5307BAA@nrl.navy.mil](mailto:5307BAA@nrl.navy.mil). Allow one month before requesting confirmation of receipt of WP, if confirmation is desired. Substantive contact should not take place prior to evaluation of a WP by NRL. If necessary, NRL will initiate substantive contact.