

**Project Title: Antenna with Shaped Dielectric Loading**

**NSWC Crane: antenna, wi-fi, transmitters, receivers,**

NSWC Crane has patent pending antenna technology which shapes and constrains the emitted electromagnetic wave patterns of antennas. The results are an improved directional and horizontal gain. This technology relates generally to the fabrication and use of antenna systems used in transmitters and receiver systems. In particular, this system constrains or shapes the footprint of an antenna system such that signal power is boosted in a smaller area. The benefits to this technology are apparent to customers such as coffee shops who have a wi-fi hot spot who don't want to share their free Internet access with their competition down the street. NSWC Crane is seeking CRADA partner or licensee to further develop and/or commercialize this technology.