



## **GEOSPATIAL SCIENCES AND TECHNOLOGY**

The research focus is on development and exploitation of new technology and techniques to support all aspects of geospatial sciences and technology. Current research interest areas are:

- 1) Geospatial Enterprise Solutions. Web service approaches to service oriented architecture enterprise solutions that promote interoperability and leveraging of community-of-interest content and services for optimized inter agency solutions.
- 2) Automated Reasoning for Distributed Surveillance and Data Fusion. Approaches to allow advanced reasoning based on multiple, disparate sensor inputs.
- 3) Open Source Content Exploitation. Techniques to leverage and harness the rapidly expanding structured and unstructured content on open networks.
- 4) Uncertainty Management. Approaches to allow improved fusion of various sensors with accommodation for propagated uncertainty.
- 5) Precise Positioning. Techniques for more precisely positioning undersea sensors in the absence of GPS.
- 6) Acoustic Image Processing. Innovative approaches to exploit acoustic imagery given its complexities inherent in the ocean medium, especially in the area of feature detection and classification.

Address White Papers (WP) to [NRL Geospatial BAA Technical POC@nrlssc.navy.mil](mailto:NRL_Geospatial_BAA_Technical_POC@nrlssc.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.