



**NRL BAA Announcement  
#55-09-01**

## **TOPIC CANCELED 5/1/10**

### **ARTIFICIAL INTELLIGENCE TECHNOLOGIES**

The Navy Center for Applied Research in Artificial Intelligence (NCARAI) of the Naval Research Laboratory (NRL) is engaged in research and development efforts designed to address the application of artificial intelligence (AI) technologies and techniques to critical Navy and national problems. The emphasis at NCARAI is on the linkage of theory and application in demonstration projects that use the full spectrum of AI methods. Current research and exploratory development is concentrated in the following areas: autonomous systems (evolutionary algorithms, hybrid learning methods, adaptive systems, adjustable autonomy, intelligent control, human-robot interaction, cooperative/collaborative teams, cognitive information processing, computer vision); human-computer interaction (multimodal interfaces, audio perceptual processing, interfaces to virtual environments, natural language understanding, speech recognition and understanding, visualization, information retrieval and presentation); intelligent decision aids (case-based reasoning, planning, knowledge management). Topics in distributed AI may be addressed that are related to either autonomous devices or to intelligent decision aids.

Not all of the branch mission areas mentioned above are allowable as BAA projects. In particular, specific applications and demonstrations are too mature to qualify under BAA authority.

Address White Papers (WP) to Code 5510, or [e-mail](#), telephone (202) 767-2684. 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.