NRL BAA Announcement
#57-09-02

ADVANCED SIMULATION FOR ELECTRONIC WARFARE

The Electronic Warfare Modeling and Simulations Branch within the Tactical Electronic Warfare (TEW) Division of the Naval Research Laboratory (NRL) is interested in research which will advance the state of the art in assessing the performance of Electronic Warfare techniques. To this end, NRL welcomes proposals that address (but are not limited to) the following areas:

1) New methods and techniques for high fidelity RF and IR missile simulations. Specific interests include assessment methodologies relating to advanced on-board and off-board countermeasures for both anti-ship and anti-air applications.
2) Advanced methods for generation of high fidelity signatures and background scenes as applied to missile engagement simulations.
3) Innovative techniques to visualize and render simulations of RF and IR systems.
4) Novel techniques to provide rapid scenario generation for creating vignettes that assist in determining the effectiveness of various EW measures.
5) Virtual Reality, as it is applied to mission planning, mission rehearsal, and examining the electromagnetic spectrum outside the visual band.
6) A unified, open architecture that will allow different, existing models to be combined within the same simulation framework.

In order to provide a clear understanding of all aspects of the proposed program, classified proposals are acceptable. If the offeror is proposing to perform research in a classified area, indicate the level of classification of the organization, the Principal Investigator and all the proposed personnel, and the agency that issued the clearance; if a formal (classified) proposal is requested by NRL, an unclassified executive summary should accompany the proposal.

Address White Papers (WP) for items to Code 5770, e-mail , phone 202-767-2897. 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.