



**NRL BAA Announcement
#56-09-02**

LOW LOSS, NEAR AND MID-IR TRANSMITTING FIBERS

The Naval Research Laboratory (NRL) is interested in new and advanced technology techniques for making low loss, near-, mid- and long-IR transmitting preforms and fibers. Innovative techniques to process infrared glasses into low loss optical fibers are needed. The techniques currently used for obtaining infrared fiber are direct extrusion of glass from the melt or by fabrication of chalcogenide and Barium Gallo Germinate glass preforms which are subsequently drawn into optical fiber. Potential new preform, fiberization and purification techniques are needed to attain the intrinsic low loss of the glasses.

Address White Papers (WP) to Code 5606, [e-mail](#) , telephone (202) 767-9316. 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.