For the purpose of informing interested faculty, please be aware of the following opportunity. Please note that the other recipients of this announcement could be potential collaborators on this opportunity.

DARPA-BAA-10-45: Compact Mid-Ultraviolet Technology

The Defense Advanced Research Projects Agency (DARPA), Department of Defense, is soliciting innovative research proposals in the area of efficient middle ultraviolet (200-300 nm) emitter technology. The goal of the Compact Mid-Ultraviolet Technology program is to develop the essential heteroepitaxy, waveguides, cavities, and contacts to enable efficient light emitting diodes (LEDs) and chip-scale semiconductor lasers operating at wavelengths below 275nm. Other compact technologies resulting in mid-UV lasers will also be considered to the extent that an overall footprint and performance competitive with a semiconductor solution can be reasonably achieved. These ultraviolet devices will significantly improve the size, weight, power, and capability of chemical/biological-agent detectors, portable water purification illuminators, and numerous other UV-dependent applications with respect to existing systems.

DARPA seeks innovative proposals in two primary mid-UV device Technical Areas of Interest and in the Secondary Technical Area of mid-UV device compatible substrates. Only one primary area may be addressed in each proposal. Proposals addressing only the secondary area will be considered. Those researchers wishing to pursue both primary areas shall submit separate technical and independent cost proposals for each device. The secondary area may be addressed as part of a larger proposal targeting one of the primaries. Outstanding research proposals that relate only to the secondary topic will be considered based upon their ability to greatly advance research toward the objectives of the primary Technical Areas.

For detailed information on this opportunity (DARPA-BAA-10-45) please see the full solicitation (attached). To find additional opportunities from this agency please see here.
It is estimated that $30-35M will be available to support multiple awards. The amount of resources made available under this BAA will depend on the quality of the proposals received and the availability of funds. Cost sharing is not required. (Please see the solicitation for complete application & submission information.)

**Deadline for Full Proposal to OR-Sponsored Programs:** 6/8/2010
(Please see the solicitation for complete application & submission information.)

Please contact Sponsored Programs (4-2402) with questions regarding proposal submission requirements.

**Deadline for Proposal Submission to Agency:** 6/15/2010

If you have any questions regarding this announcement please contact:

**Dr. James Lloyd**  
Professor and Coordinator of Electronic Research Administration  
UT Knoxville Office of Research  
Phone: (865) 974-0390  
E-mail: jlloyd@utk.edu