For the purpose of informing interested faculty, please be aware of the following opportunity:

**DARPA-BAA-09-70: Advanced Structural Fiber**

The Defense Advanced Research Projects Agency (DARPA), Defense Science Office (DSO), is soliciting innovative manufacturing proposals to develop revolutionary new fibers for use in structural composites. Specifically, DARPA seeks the small-scale manufacturing of fibers meeting the following criteria:

- Fiber Tensile Strength = 1800 Ksi
- Fiber Tensile Modulus = 60 Msi
- Fiber Density <2.0 g/cc
- Fiber Strain > 1.5%
- Fiber diameter <16 microns

This effort is focused on moving to production, materials and processes which have already shown revolutionary lab-scale results. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. The fibers must be capable of being produced in a commercial process which is economically scalable. To meet this challenge it is envisioned that all aspects of fiber manufacturing must be considered.

The Advanced Structural Fiber (ASF) program is articulated into two phases. A successful proposal will thoroughly discuss all details for meeting the program goals and all of the Go/No-Go metrics set forth for Phase I and Phase II (please see the full solicitation for complete details). DARPA requests that proposals for the full scope of development be designed by a team of multidisciplinary research organizations including a Principal Investigator for scientific and programmatic continuity.

Proposers are strongly encouraged to submit a proposal abstract in advance of a full proposal. Initial proposal abstracts are due on or before 4:00PM ET, September 24, 2009. DARPA will respond to proposal abstracts with a statement as to whether DARPA is interested in the idea. Early submissions of proposal abstracts (and full proposals) are
strongly encouraged because selections may be made at any time during the period of solicitation. Regardless of DARPA’s response to a proposal abstract, proposers may submit a full proposal. DARPA will review all full proposals submitted using the published evaluation criteria and without regard to any comments resulting from the review of a proposal abstract.

For more information about this opportunity (DARPA-BAA-09-70) please see the full solicitation (attached).

Multiple awards are anticipated. The amount of resources made available to this BAA will depend on the quality of the proposals received and the availability of funds. Cost sharing is not required. Complete award information is found in the full solicitation.

Deadline for Proposal to OR-Sponsored Programs: 10/29/2009
(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: 11/5/2009

If you have any questions regarding this announcement please contact:

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