

September/October 2007 – Grant Opportunities in Engineering

Dear Engineering Faculty Members –

Here is our September/October 2007 listing of grant opportunities for faculty members in Engineering. We are still working on establishing a good list of grant opportunities, and would appreciate any suggestions you might have.

All of these notice are posted as PDF file on the Office of Research and Economic Development webpage on the Research Funding webpage (<http://www.research.msstate.edu/funding/>).

Please let my office know if we can help in any way with grant proposals for these or other opportunities.

1. National Science Foundation – Chemistry Research Instrumentation and Facilities (DEADLINE – February 1, 2008)

Synopsis – The Division of Chemistry of the National Science Foundation (NSF), under the umbrella of the Chemistry Research Instrumentation and Facilities Program (CRIF), has provided support to research institutions and consortia for the establishment of regional or national instrumentation facilities, the purchase of departmental research instrumentation, and the development of state-of-the-art equipment. In FY05, the instrumentation facilities component of the CRIF Program was expanded to address the growing importance of cyber-enabled chemistry in the research endeavor. Preference will be given to cyber-enabled chemistry proposals that are distinct from the projects represented by the FY05 and FY06 awards (CHE-0535542; CHE-0535640; CHE-0535656; CHE-0535710; CHE-0625419; CHE-0626111; CHE-0626305; CHE-0626354). The Chemistry Research Instrumentation and Facilities: Cyberinfrastructure and Research Facilities (CRIF:CRF) Program provides funding to build a foundation for cyber-enabled chemical research and education, and to establish and support multi-user instrumentation research facilities with unique capabilities in the chemical sciences. This is structured to enable NSF, through its Division of Chemistry, to respond to a variety of needs for infrastructure to support basic research and education in chemistry.

More information - <http://www.nsf.gov/pubs/2008/nsf08504/nsf08504.htm>

2. Office of Naval Research Young Investigator Program (Deadline – January 11, 2008)

Synopsis - ONR's Young Investigator Program (YIP) seeks to identify and support academic scientists and engineers who have received Ph.D. or equivalent degrees within the last five years (on or after 01 November 2002 for this FY08 competition) and who show exceptional promise for doing creative research. The objectives of this program are to attract outstanding faculty members of Institutions of Higher Education (hereafter also

called "universities") to the Department of the Navy's research program, to support their research, and to encourage their teaching and research careers. Proposals addressing research areas as described in the ONR Science and Technology (S&T) Department section of ONR's website at www.onr.navy.mil which are of interest to ONR Program Officers and Division Directors will be considered. Contact information for each Division (a subgroup of an S&T Department) is also listed within the S&T section of the website. Potential applicants may contact the appropriate Division Director, or the Program Officer who is the point-of-contact for a specific technical area, to discuss their research ideas. Brief informal pre-proposals may be submitted to facilitate these discussions. Such discussions can clarify the content and breadth of the priority research areas and enhance the match between a subsequent proposal and Department of the Navy research needs. An individual wishing to apply for a Young Investigator award must submit a research proposal and a supporting letter through the appropriate university officials. ONR makes awards to institutions, not to individuals. The research proposal should follow the format described in BAA 08-002 Section IV entitled, "Application and Submission Information. Proposals may request up to \$100,000 per year for three (3) years. These funds may be budgeted against any reasonable costs related to the conduct of the proposed research, for example, salary for the Young Investigator, graduate student support, supplies, and operating expenses. Additional funds (beyond the basic \$100,000 yearly amount) for capital equipment which enhances the Young Investigator's proposed research may be requested for the first budget period, based on the needs of the research. Requesting funds for capital equipment will not decrease the probability of receiving an award; additional support for equipment will be decided separately from award selections and will depend upon availability of funds. The basic \$100,000 per year award can be supplemented through a "matching funds" enhancement available only to those receiving an ONR Young Investigator award. As an incentive for becoming involved with other Department of the Navy research activities, the Office of the Director of Research of ONR may match on a 1-for-1 basis, the first \$25,000 of additional Department of the Navy funding which a successful applicant obtains each year to support additional, collaborative research with a Navy laboratory during the YIP award. Potential sources of research support eligible for the 1-for-1 match include Navy laboratories and ONR Program Officers. Thus, this "matching funds" clause can provide research support over and above the basic \$100,000 per year award, e.g. to support an additional graduate student and an additional research task. A Young Investigator is not prohibited from receiving more than \$25,000 from other Department of the Navy sources; however, the Office of the Director of Research will match on a 1-for-1 basis only the first \$25,000 each year. Other Navy support eligible for matching funds can be arranged at any time and generally will not have been identified at the time of the initial award. ONR Program Officers will assist, upon request, Young Investigators in identifying potential collaborators at Navy laboratories. ONR Program Officers will also assist successful applicants who wish to seek support from other parts of the Department of the Navy in identifying individuals at other Navy organizations who may be interested in funding additional research by the Young Investigator. Upon completion of the three (3) year award period, Young Investigators may apply to ONR for continued support under ONR's regular research grant program. Decisions about continued funding outside the context of the YIP will be made following a review of the new proposal by the cognizant Program Officer, based on the merits of

the proposal, ONR's research priorities, and the creativity and productivity exhibited during the previous Young Investigator research program. The competition in past years has been severe. Last year, 214 proposals were received, resulting in 33 Young Investigator awards. Past awardees have both submitted outstanding research proposals and possessed outstanding records of prior professional accomplishments. Given that "past performance" is a selection criterion, applicants are advised that the biographical information submitted as part of the proposal (see "Qualifications" under "Proposal Content", below) should list all relevant past activities. Those proposals not selected for Young Investigator awards are automatically considered for ONR's regular research grant program in competition with all other research proposals submitted to ONR Long Range BAA. Typically, additional proposals originally submitted to the Young Investigator Program have been selected each year for funding via the regular research grant program. Thus, the YIP is not a "research initiation" opportunity with standards that are less demanding than ONR's regular research grant program. ONR's Young Investigator awards are intended to confer honor upon awardees beyond the research funding being provided.

More Information: <http://www.onr.navy.mil/02/baa/>