

July 2008 – Grant Opportunities

Here is our July 2008 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.

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

1. Department of Defense - Defense University Research Instrumentation Program (DURIP)

DEADLINE: August 26, 2008

Synopsis: The Department of Defense (DoD) announces the Fiscal Year 2009 Defense University Research Instrumentation Program (DURIP), a part of the University Research Initiative (URI). DURIP is designed to improve the capabilities of U.S. institutions of higher education (hereafter referred to as “universities”) to conduct research and to educate scientists and engineers in areas important to national defense, by providing funds for the acquisition of research equipment.

This announcement seeks proposals to purchase instrumentation in support of research areas of interest to the DoD, including areas of research supported by the administering agencies. The research areas of interest for the administering agencies are available on-line at the following addresses:

Army Research Office:

<http://www.aro.army.mil/> (select “For the Researcher” and then “Funding Opportunities”)

See BAA W911NF-07-R-0003 U.S. Army Research Office BAA FY 2007 - 2011

Office of Naval Research:

<http://www.onr.navy.mil/> (select “ONR Science and Technology Departments”)

(Refer questions about appropriate program managers to contact to Dr. Bill Lukens, 703-696-4668)

Air Force Office of Scientific Research:

<http://www.wpafb.af.mil/AFRL/afosr/> (select “Main Areas of Interest - Research”)

For detailed information regarding technical goals, potential proposers are advised to refer to the announcements cited above and may contact DoD program managers listed therein to explore mutual interest before submitting proposals. A proposal may be submitted to more than one agency; however, only one award will be given.

A central purpose of the DURIP is to provide equipment to enhance research-related education. Therefore proposals must address the impact of the equipment on the institution’s ability to educate students, through research, in disciplines important to DoD missions.

For More Information:

<http://www.grants.gov/search/announce.do;jsessionid=L1bK66lLyL9MvHp06LyQRP6rhNmP635vmpTzZLncn82K2RPbfSRy!820188535>

**2. National Science Foundation (NSF) – Science and Technology Centers:
Integrative Partnerships**

DEADLINE: Preliminary Proposal: September 30, 2008

Synopsis – The Science and Technology Centers (STC): Integrative Partnerships program supports innovative, potentially transformative, complex research and education projects that require large-scale, long-term awards. STCs conduct world-class research through partnerships among academic institutions, national laboratories, industrial organizations, and/or other public/private entities, and via international collaborations, as appropriate. They provide a means to undertake important investigations at the interfaces of disciplines and/or fresh approaches within disciplines. STC investments support the NSF vision of advancing discovery, innovation and education beyond the frontiers of current knowledge, and empowering future generations in science and engineering.

Centers provide a rich environment for encouraging future scientists, engineers, and educators to take risks in pursuing discoveries and new knowledge. STCs foster excellence in education by integrating education and research, and by creating bonds between learning and inquiry so that discovery and creativity fully support the learning process.

NSF expects STCs to demonstrate leadership in the involvement of groups traditionally underrepresented in science and engineering at all levels within the Center. To achieve their diversity objectives, STCs are expected to involve individuals from underrepresented groups as members of the Center faculty, and as students actively engaged in Center activities. STCs are strongly encouraged to form meaningful, substantive and long-term partnerships with minority-serving institutions, women's colleges and institutions that primarily serve students with disabilities, thereby providing formal connections with institutions that serve large populations of underrepresented students interested in STEM.

Centers undertake activities that will facilitate knowledge transfer, i.e., the mutual exchange of scientific and technical information among the Center partners and others with the objective of disseminating and utilizing knowledge broadly in multiple sectors.

To date, five competitions have been held to establish NSF Science and Technology Centers. The first two competitions, one in the late 1980's and one in the early 1990's, led to the establishment of 25 Science and Technology Centers, which are no longer funded as NSF centers. A third competition for Science and Technology Centers: Integrative Partnerships was held in 1999 and resulted in five new Centers. A fourth competition resulted in six new Centers in 2002. The fifth and most recent competition, in FY 2005, added six centers.

For More Information:

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08580

3. National Science Foundation (NSF) – Astronomy and Astrophysics Postdoctoral Fellowships

DEADLINE: October 8, 2008

Synopsis – NSF Astronomy and Astrophysics Postdoctoral Fellowships provide an opportunity for highly qualified, recent doctoral scientists to carry out an integrated program of independent research and education. Fellows may engage in observational, instrumental, theoretical, laboratory or archival data research in any area of astronomy or astrophysics, in combination with a coherent educational plan for the duration of the fellowship. The program supports researchers for a period of up to three years with fellowships that may be taken to eligible host institution(s) of their choice. The program is intended to recognize early-career investigators of significant potential and to provide them with experience in research and education that will establish them in positions of distinction and leadership in the community.

For More Information:

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08581

4. Postdoctoral Fellowships – Aerospace Engineering

Applications for postdoctoral aerospace fellowships at the University of Houston.
Contact: David Criswell, Aerospace Postdoctoral Fellowship Program, Institute for Space Systems Operations; (713) 743-3524; dcriswell@uh.edu, <http://www.isso.uh.edu>.
Deadline is October 15, 2008.