



Office of Research and Sponsored Programs

Newsletter

February, 2007

ANNOUNCEMENTS.....	3
ORSP WEBSITE.....	3
HAVE YOU COMPLETED YOUR GENIUS/SMARTS PROFILE IN INFO ED?	3
FIND FUNDING AT YOUR CONVENIENCE	3
ORSP PROGRAM: STUDENT TRAVEL AWARDS.....	3
ORSP PROGRAM: FACULTY TRAVEL AWARDS	3
GRANTS.GOV AT FGCU	4
COUNCIL ON UNDERGRADUATE RESEARCH	4
CONGRATULATION\$.....	5
AWARDS DURING JANUARY 2007	5
SUBMISSIONS DURING JANUARY 2007	6
FUNDING OPPORTUNITIE\$.....	7
ARTS AND HUMANITIES.....	7
FLORIDA AND THE CARIBBEAN: HISTORICAL TIES AND CULTURAL CONNECTIONS.....	7
STRATEGIES AND TOOLS FOR ARCHIVES AND HISTORICAL PUBLISHING PROJECTS.....	7
DIGITIZING HISTORICAL RECORDS	8
ASTRONOMY.....	9
THE LEWIS AND CLARK FUND FOR EXPLORATION AND FIELD RESEARCH IN ASTROBIOLOGY	9
ASTROBIOLOGY INSTITUTE - CYCLE 5.....	9
BIOLOGY/CHEMISTRY/MATH.....	10
NEUROBIOLOGY GRANT PROGRAM	10
CENTERS FOR CHEMICAL INNOVATION PHASE I (CCI-I)	11
CHEMISTRY RESEARCH INSTRUMENTATION AND FACILITIES: DEPARTMENTAL MULTI-USER INSTRUMENTATION (CRIF:MU)	12
COMPUTER SCIENCES AND ENGINEERING.....	13
HIGH END COMPUTING UNIVERSITY RESEARCH ACTIVITY (HECURA)	13
ETHICS EDUCATION IN SCIENCE AND ENGINEERING PROGRAM.....	14
MEASUREMENT, SCIENCE AND ENGINEERING GRANTS PROGRAMS.....	15
COMPUTER SYSTEMS RESEARCH (CSR).....	17
CRIMINAL JUSTICE	18
VICTIMS OF CRIME ACT (VOCA) GRANTS.....	18
LEGAL ASSISTANCE FOR VICTIMS (LAV) GRANT PROGRAM	19
CROP SCIENCES.....	19
INTEGRATED PEST MANAGEMENT: CROPS AT RISK AND RISK AVOIDANCE AND MITIGATION.....	19
EMERGING MARKETS PROGRAM	20
DEFENSE INITIATIVES.....	22
BIOTECHNOLOGY RISK ASSESSMENT RESEARCH GRANTS PROGRAM	22

ELECTRONIC WARFARE TECHNOLOGY	23
NRL-WIDE BROAD AGENCY ANNOUNCEMENT (BAA)	24
ENVIRONMENTAL PROGRAMS	24
ENVIRONMENTAL SUSTAINABILITY	24
U.S. STANDARD GRANTS	25
HEALTH	26
ALZHEIMER`S DISEASE RESEARCH CENTERS (P50)	26
INVESTIGATOR AWARDS IN HEALTH POLICY RESEARCH	27
DISABILITIES	27
MARINE SCIENCES	28
GULF OF MEXICO ALLIANCE REGIONAL PARTNERSHIP PROGRAM	28
PSYCHOLOGY	29
UNDERGRADUATE SUMMER RESEARCH PROGRAM	29
F.J. MCGUIGAN YOUNG INVESTIGATOR PRIZE	30

ANNOUNCEMENTS

[ORSP Website](#)

The Office of Research and Sponsored Programs offers a multitude of services to assist you in the preparation and submission of grant applications. The ORSP's website at <http://www.fgcu.edu/orsp> provides easy access to the forms, announcements, and other useful materials pertaining to research and sponsored programs at FGCU. We would like to include links to websites associated with the many externally funded projects currently active. Send the URLs to dstremke@fgcu.edu and the link will be added to ORSP's site.

[Have You Completed Your GENIUS/SMARTS Profile in Info Ed?](#)

In order to process your proposals, ORSP needs a GENIUS/SMARTS investigator profile on file in our web-based database system. To edit a Genius profile, use an on-campus computer and go to <http://fgcu-mako.primary.ad.fgcu.edu/>. Click on "Login"; then on "Profile"; and proceed to edit the information contained in your profile. Please select keywords that describe your research interests. For further assistance or if you have any questions about these InfoEd products please contact Lucia Soria at asoria@fgcu.edu.

[Find Funding at Your Convenience](#)

If you have a GENIUS/SMARTS profile, you can search InfoEd's SPIN Plus from any on-campus computer to find funding. Call Lucia in the ORSP office at ext. 7020 to send you instructions. You can also search the Grants.gov web site for all federal funding opportunities. See www.grants.gov.

[ORSP Program: Student Travel Awards](#)

The Office of Research and Sponsored Programs supports enrolled FGCU students by providing funds on a first-come, first-serve basis so they can present their scholarly works at conferences. ORSP staff will assist the students with the necessary paperwork, both before and after the travel. Within 30 days of travel completion, all awardees are required to submit a one-page report to ORSP describing the benefit of the award and the overall experience. Awardees will be required to participate in the ORSP Research Day event on April 20, 2007. See the complete guidelines and application form at: <http://www.fgcu.edu/orsp/internalPrograms.html>

[ORSP Program: Faculty Travel Awards](#)

The Office of Research and Sponsored Programs provides travel awards up to \$1,000 for faculty to attend technical workshops or other related activity that may lead to new funding from external sources. The travel must be for the purpose of increasing chances of obtaining a grant and a proposal must be submitted through ORSP as a result of the travel. The application package consists of the following items: a 50-100 word abstract of the proposed project; information regarding the technical workshop or the specific purpose of the trip; and an estimated budget for travel expenses. Complete guidelines and application are available from ORSP's office and the web page at: <http://www.fgcu.edu/orsp/internalPrograms.html>

[Grants.gov at FGCU](#)

The Federal government requires most grants to be submitted through Grants.gov. ORSP has completed the credential process and is accustomed to using Grants.gov on a regular basis. For your convenience, the Grants.gov instructions are located on the marlin_share drive/Research and Sp Prog/Grants.gov. The Grants.gov icon is shown next to this month's Funding Announcements that require this submission process.



If you wish to apply for a grant, ORSP will send you the instruction manual and the downloaded application forms with the institutional information already entered. Please contact Beth Rieger at brieger@fgcu.edu to assist you in setting up your budget and completing your proposal/application package. If ORSP has assisted you with creating our Internal Budget, we will enter the budget information into the sponsor's budget form for you and provide you with a copy to assist you in preparing the budget justification.

ORSP needs to receive your completed proposal package **three business days** before the submission deadline. We ensure all the required forms are attached and that your proposal is compliant with the specifications outlined in the RFP/RFA. Remember that additional forms, releases, and contracts may be required so make sure you allow enough time for these documents to be prepared. If ORSP receives the completed proposal with less than the two business days' lead time, we cannot guarantee that the proposal will be submitted.

[Council on Undergraduate Research](#)

The Council on Undergraduate Research (CUR) and its affiliated colleges, universities, and individuals share a focus on providing undergraduate research opportunities for faculty and students at predominantly undergraduate institutions. CUR has initiated a Registry of Undergraduate Researchers to facilitate matchmaking between undergraduates with research experience and a desire to pursue an advanced degree, and graduate schools seeking high quality students who are well prepared for research. The Registry is open to students and graduate schools/employers in the fields of Astronomy, Chemistry, Biochemistry, Biology, Physics, Mathematics, Computer Science, Geosciences, Engineering, Psychology, Sociology, and Anthropology/Archaeology. The registry is free of charge to students. <http://www.cur.org>

CONGRATULATIONS

Awards during January 2007

College of Arts and Sciences			
CEILLEY, David W. Everham, Win	Johnson Engineering Inc.	Mitigation Park, Phase II	18,158.00
DEMERS, Nora	Friends of Barefoot Beach	Behavior of Gopher Tortoises at Barefoot Beach Preserve	700.00
FITCH, John	FL Department of Agriculture and Consumer Services	Sustainable Landscapes for an Affordable Housing Development in Southwest Florida	3,151.00
FITCH, John	Environmental Protection Agency	Monitoring Sustainable Affordable Housing	9,985.00
ISERN, Sharon Barreto, Jose Michael, Scott	Department of Defense	Dual Use Technologies for Biodefense 2007	1,000,000.00
LOH, Ai Ning	South Florida Water Management District	GIS Intern Support for Storm-Water Management Division	18,000.00
PIRES, Ricky	South Florida Water Management District	Wings of Hope 2007-2008	20,000.00
College of Business			
REGELSKI, Dan	University of West Florida	Small Business Development Center 2008	263,258.00
FINCH, James Howard	FGCU-ORSP-AA	Research Assistantship, 2007-2008	12,000.00
FINCH, James Howard	Alico Corporation	Alico Corporation Endowed Chairs	52,000.00
REGELSKI, Dan	City of Cape Coral	SBDC/Cape Coral 2006	30,000.00
ZALEWSKI, Janusz	Embry Riddle Aeronautical University	A Study of Tool Qualification for Complex Electronic Hardware	46,461.00
College of Education			
GREENE, Marci	FGCU-ORSP-AA	Research Assistantship, 2007-2008	15,000.00
GREENE, Marci	Naples Children & Education Foundation	Early Learning Literacy Model Project 2007	51,000.00
GREENE, Marci	Family Network on Disabilities of Florida, Inc.	Parent Information Resource Center	28,200.00
SCHMIDT, Diane	FGCU-ORSP-COE	Assessing Mathematics Instruction in the K-12 System	5,000.00
SULLIVAN, Peg	Florida Department of Education	State Personnel Development Grant	155,352.00
SULLIVAN, Peg	Florida Department of Education	Personnel Development Partnership	190,000.00
College of Professional Studies			
MESLOH, Charlie	FGCU-ORSP-CPS	Development and Evaluation of Video Recording System for the Law Enforcement Canine	5,000.00
MILLAR, Ken	FGCU-ORSP-AA	Research Assistantship, 2007-2008	12,000.00
College of Health Professions			
MARTIN, Linda	FGCU-ORSP-CHP	A Model of Integrated Scholarship, Teaching, and Service	3,000.00
RODGERS, Marianne	FGCU Foundation	Southwest Florida Endowed Nursing Chair	8,500.00

Submissions during January 2007

College of Arts and Sciences			
TOLLEY, Greg	Florida Department Environmental Protection Agency	Institute of Coastal Watershed Studies partnership with Rookery Bay FY 2007-2008	355,754.00
TOLLEY, Greg Fugate, David Parsons, Mike Peebles, Ernst	South Florida Water Management District	Responses to variation in seasonal freshwater inflow to the Caloosahatchee estuary	50,000.00
MCDONALD, Mike	University of West Florida	Florida Publix Archaeology Network Charter Regional Center at FGCU	109,538.00
College of Business			
VILLIERS, Claude Barreto, Jose	Federal Highway Administration	Use of Recycled ASR PCC Materials in HMA Airfield Pavements	57,250.00
ZALEWSKI, Janusz	National Science Foundation	Undergraduate Research in Safety-Critical Real-Time Systems	99,974.00
College of Education			
RAY, Linda Christensen, Lois Baylen, Danilo	FLaRE	The Effects of Secondary Content Area Repeated	36,000.00
SULLIVAN, Peg	Florida Developmental Disabilities Council, Inc.	Positive Beginnings Initiative 2008-2009	14,959.00
College of Health Professions			
KIRSNER, Kenneth	Health Resource & Services Administration	Nurse Anesthetist Training Program	113,146.00
METZGER, Nancy McFarland, Renee	Southwest Florida Community Foundation	Sunwise	4,600.00
RODGERS, Marianne	Lee Memorial Health Systems Foundation	A Collaborative Nurse Residency Program	67,241.00
College of Professional Studies			
BUSSON, Terry Smith, Howard	FGCU-ORSP-CPS	Government performance measurement: an application to local governments in southwest Florida	5,000.00
Academic Media and Technology Services			
DAVEY, Kathleen Sklodowski, Paula	Captain Planet Foundation	Kids Make a Difference	2,400.00
DAVEY, Kathleen Sklodowski, Paula	General Mills Foundation	Get Up Get Out Get Active! 2008	10,000.00
DAVEY, Kathleen Sklodowski, Paula	Environmental Protection Agency	Be the Difference!	20,398.00
Whitaker Center for Science, Mathematics, and Technology			
VOLETY, Aswani	West Coast Inland Navigation District	Marine Environmental Education and Outreach 2008	99,900.00
VOLETY, Aswani	Lee County Government	Lee County Commercial Fisherman's Council	25,000.00

FUNDING OPPORTUNITIES

ARTS AND HUMANITIES

Florida and the Caribbean: Historical Ties and Cultural Connections

From early exchanges to the current influx of Caribbean immigrants to Florida, this southernmost state has at times been seen as the northernmost province of the Caribbean. Florida Humanities Council (FHC) seeks projects that interpret and analyze these ties in order to better understand our common history.

FHC grant proposals may address both the historical and contemporary ties between Florida and the Caribbean. Successful projects may:

- address ancient pre-Columbian trade routes and exchanges;
- explore European impact through conquest and settlement;
- examine the dynamics of immigration at various periods of history;
- focus on cultural connections between Florida and the Caribbean (literary, architectural, legal, religious, artistic, etc.)
- create connections between scholars of Florida and the Caribbean for greater understanding of both.

Public audiences are the intended target audience for all FHC-funded programs.

This RFP applies to any FHC grant category (mini, partnership, or major). Priority consideration will be given to grants responding to this initiative up to \$85,000.

Programs must include humanities scholars with expertise in the area of study.

Projects must be completed and funds expended by March 31, 2009.

For further information about the Florida Humanities Council and the grants program, please log on to www.flahum.org or contact the Grants Director Susan Lockwood at slockwood@flahum.org.

Deadline: February 20, 2008

http://www.flahum.org/index.cfm/fuseaction/Grants.Request_for_Proposals

Strategies and Tools for Archives and Historical Publishing Projects

The National Historical Records and Publications Commission seeks proposals to develop new strategies and tools that can improve the preservation, public discovery, or use of historical records.

Project may also focus on techniques and tools that will improve the professional performance and effectiveness of those who work with such records, such as archivists, documentary editors, and records managers.

Projects concerning records may focus on methods of working with any format including born-digital records. Publishing of historical records must focus on methods of presenting archival records as primary sources. The Commission does not fund projects focused on artifacts or books.

Eligible applicants include:

- Individuals
- Nonprofit organizations and institutions
- Colleges, universities, and other academic institutions
- State or local government agencies
- Federally-acknowledged or state-recognized Native American tribes or groups

A grant normally is for one to three years. The Commission expects to make one to three grants of between \$50,000 and \$150,000. The total amount allocated to this category is up to \$150,000 during the fiscal year.

NHPRC staff will read and comment on a preliminary draft, if submitted by the optional April 1 draft deadline. **Proposals are due JUNE 2, 2008.** NHPRC support begins no earlier than January 1, 2009.

<http://www.archives.gov/nhprc/announcement/strategies.html>

Digitizing Historical Records

The Commission seeks proposals that use cost-effective methods to digitize nationally-significant historical record collections and make the digital versions freely available on the Internet. Projects must make use of existing holdings of historical repositories and be made up of entire collections or series. The materials should already be available to the public at the archives and described so that projects can re-use existing information to create metadata for the digitized collection. Applicants must have the permission of all relevant copyright holders, where possible.

The following types of institutions, organizations, agencies, or individuals are eligible:

- Nonprofit organizations or institutions, including colleges and universities and other academic institutions
- State or local government agencies
- Federally-acknowledged or state-recognized Native American tribes or groups

A grant normally is for 1 to 3 years and up to \$150,000. The Commission expects to make up to 3 grants in this category, for a total of up to \$300,000. The Commission provides no more than 50 percent of the costs of Digitizing Historical Records projects.

NHPRC staff will read and comment on a preliminary draft, if submitted by the optional April 1 draft deadline. **Proposals are due JUNE 2, 2008.** NHPRC support begins no earlier than January 1, 2009.

<http://www.archives.gov/nhprc/announcement/digitizing.html>

ASTRONOMY

The Lewis and Clark Fund for Exploration and Field Research in Astrobiology

In 2006 the American Philosophical Society and the NASA Astrobiology Institute (NAI) partnered to promote the continued exploration of the world around us through a program of research grants in support of astrobiological field studies.

Astrobiology is the study of the origin, evolution, distribution, and future of life on Earth and in the universe. It encompasses research in, among others, the fields of astronomy, chemistry, evolutionary biology, field and population biology, geology, microbiology, molecular biology, oceanography, paleontology, and planetary science. Astrobiology includes investigations of the geologic and fossil record to understand the conditions of the early Earth when life arose. Its scope also includes research of contemporary locations on Earth that might be similar to early earth and to environments elsewhere in our Solar System (such as on Mars, Europa, and Titan), which may be, or have been in the past, suitable for life. Astrobiology is also about understanding the characteristics of life, which requires investigations into extreme natural environments on Earth and, eventually, elsewhere.

Grants will be available to graduate students and post-doctoral and junior scientists who wish to participate in field studies for their theses or for other purposes. Eligibility for applicants with doctorates is limited to those five years or fewer beyond their Ph.D. or equivalent degree, although, rarely, exceptions may be made. The competition is open to those affiliated with a U.S.-based institution, who may carry out research anywhere in the world.

Amounts will depend on travel costs, but will ordinarily be in the range of several hundred dollars up to about \$5000. Grants are payable to the individual applicant. The deadline is **FEBRUARY 15, 2008**, with notification in May, for work in June 2008 and beyond.

<http://www.amphilsoc.org/grants/astrobiology.htm>

Astrobiology Institute - Cycle 5

The NASA Astrobiology Institute (NAI) announces through this Cooperative Agreement Notice (CAN), an opportunity for the submission of team-based proposals for membership in the Institute.

This CAN specifically solicits proposals that place emphasis on research that will help prepare for current or future flight programs directed at astrobiological targets. Specific flight program priorities that may be addressed in this context include Mars exploration missions, particularly sample return; other astrobiologically relevant sample return

missions; astrobiology-focused missions to explore the icy moons of the outer solar system, particularly Europa and Titan; the study of the Earth system (especially, but not only, its biological component) and its responses to global changes (internally or externally driven) over time; the use of the James Webb Space Telescope and other relevant observatories to characterize the pathways taken by the biogenic elements and compounds from stellar formation through the formation of planetary systems; and missions specifically to detect and characterize potentially habitable planets around other stars. Other strategic mission priorities may be addressed by proposers, if amply justified.

Astrobiology—the study of the origins, evolution, distribution, and future of life in the universe—is a cross-cutting theme among the scientific research activities supported by NASA's Science Mission Directorate (SMD). Consequently, a wide array of future SMD strategic missions incorporates astrobiology goals and objectives. Proposals emphasizing research to prepare for strategic missions should include at least one priority area, and may include additional areas as appropriate to the expertise available and the astrobiological relationships among them. Of the awards NASA anticipates making as a result of this solicitation, it is anticipated that approximately one-third will be made in response to proposals that specifically focus on strategic mission objectives, while the remaining two-thirds of the selected proposals may or may not have such a specific strategic mission focus.

It is anticipated that \$10-12M will be available for this selection in the first award year, leading to the award of at least 7 Cooperative Agreements and possibly several more, each of 5 years duration. Approximately the same amount will be available in the subsequent award years.

Deadline: February 22, 2008

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={D3480A90-8AF7-0C8B-24FF-A6FD08C46292}&path=open>

BIOLOGY/CHEMISTRY/MATH

Neurobiology Grant Program

The Whitehall Foundation, through its programs of grants and grants-in-aid, assists scholarly research in the life sciences. It is the Foundation's policy to assist those dynamic areas of basic biological research that are not heavily supported by Federal agencies or other foundations with specialized missions.

The Foundation is currently interested in basic research in neurobiology, defined as follows: Invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to better understand behavioral output or brain mechanisms of behavior.

Research grants are available to established scientists of all ages working at accredited institutions in the United States. Applications will be judged on the scientific merit and the innovative aspects of the proposal, as well as the competence of the applicant. Research

grants will not be awarded to investigators who have already received, or expect to receive, substantial support from other sources, even if it is for an unrelated purpose. Research grants of up to three years will be provided, with a renewal grant with a maximum of two years possible. Research grants normally range from \$30,000 to \$75,000 per year.

Grants-in-Aid are designed for researchers at the assistant professor level who experience difficulty in competing for research funds because they are not yet firmly established. Grants-in-Aid can also be made to senior scientists. Grants-in-Aid are awarded for a one-year period and do not exceed \$30,000.

Deadline: April 15, 2008

<http://www.whitehall.org/grants/>

Centers for Chemical Innovation Phase I (CCI-I)

The NSF Division of Chemistry is initiating a fourth round of Phase I competition for its Centers for Chemical Innovation (CCI) program, formerly known as the Chemical Bonding Centers (CBCs) program, to nurture innovative approaches to addressing intellectual challenges in basic chemical research and education with the potential for broad societal impact.



The CCI Program is designed to support the formation of centers that can address major, long-term basic chemical research problems that have a high probability of both producing transformative research and leading to innovation. Appropriate research problems are high-risk but potentially high-impact and will attract broad scientific and public interest. Centers are expected to be agile structures that can respond rapidly to emerging opportunities and make full use of cyberinfrastructure to enhance collaborations. Center teams may include researchers from disciplines other than Chemistry and from academia, industry, government laboratories and international organizations. CCIs are expected to integrate research, education, and outreach and to include a plan to broaden participation to under-represented groups. Proposals should contain a compelling strategy for achieving demonstrable impact in all of these areas.

The CCI program is a two-phase program. The review process for Phase I begins with submission of a Preliminary Proposal that describes a center concept, a schematic model for the research to be carried out, and a group of initiating participants (PI and other senior personnel who may or may not be co-PIs but have agreed to participate on the project). There is no funding associated with this preliminary proposal, but meritorious preliminary proposals will be invited to submit a Full Proposal. CCI Phase I Full Proposals will outline center goals as well as plans to address critical CCI elements, within the CCI Phase I resources of \$500,000/yr for three years. NSF Chemistry expects to fund up to six new Phase I awards in FY 2008. Those development teams which receive Phase I funding will be eligible to participate in the second phase of the competition, by submitting a proposal for the establishment of a CCI Phase II center in FY 2011.

It is anticipated that, assuming availability of funds and appropriate quality of proposals, there will be one or two CCI Phase II awards resulting from the Phase I awards initiated in FY 2008. Each Phase II award is expected to have a duration of five years, at a level

averaging \$4 million per year, with possible renewal for a second five-year period at the same average level of \$4 million per year pending availability of funds. The specific program solicitation for the CCI-II proposals in this second round of competition will be available approximately June 2010 for funding in FY 2011.

Only U.S. academic institutions and non-profit research organizations may submit proposals as lead institution. Proposals involving more than one organization must be submitted as a single administrative package from the lead organization; collaborative proposals with multiple administrative packages will not be accepted. Only one proposal and associated pre-proposal may be submitted per eligible Principal Investigator (PI).

Under this program, Phase I Full Proposals should be submitted for support for three years. It is anticipated that the award size will average \$500,000 per year. NSF expects to award up to six continuing grants during FY2008.

Deadline: April 17, 2008

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08536

[Chemistry Research Instrumentation and Facilities: Departmental Multi-user Instrumentation \(CRIF:MU\)](#)

The Chemistry Research Instrumentation and Facilities Program (CRIF) is structured to enable the National



Science Foundation's Division of Chemistry to respond to a variety of needs for infrastructure that promotes research and education in areas traditionally supported by the Division.

The Departmental Multi-User Instrumentation component of CRIF (CRIF:MU) provides funds to universities, colleges, and consortia thereof for the purchase of multi-user instruments. The maximum request is \$500,000 for instrumentation. Additional funds may be requested for personnel who are needed to support cyber-enhanced projects.

PI Limit: The principal investigator must be the chemistry department chairperson or equivalent. Other investigators may be affiliated with U.S. academic institutions, non-profit research organizations, industry, government laboratories, or international institutions. No CRIF:MU award funds may go directly to industry, government laboratories or international institutions.

Limit on Number of Proposals per Organization: *Two per institution.* If two are submitted, at least one must involve cyber-infrastructure. Principal investigators are strongly encouraged to consult with the cognizant program officers before submitting cyber-enabled instrumentation requests.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13579&org=CHE&from=home3

COMPUTER SCIENCES AND ENGINEERING

High End Computing University Research Activity (HECURA)

In FY 2008, the HECURA initiative invites research and education proposals focused on novel programming models, languages, compilers and underlying communication libraries to support extreme-scale highly computation- and data-intensive scientific and engineering applications in HEC environments. Successful proposals will focus on increasing programmer productivity while achieving optimal application performance.



In order to take advantage of the computing power of future HEC platforms, one or more of the following challenges must be addressed in every proposal:

- How will programmers contend with billion- way parallelism?
- What will programming languages of the future look like?
- What will be the balance between user direct control of resources and system automation for ease of use?
- What new semantic constructs and programming models will be needed by petascale-and-beyond applications and algorithms?
- What minimal set of changes or enhancements to programming models, programming languages, and compilers can be introduced to enable better memory system performance?
- What minimal set of changes or enhancements to programming models, programming languages, and compilers can be introduced to enable better I/O, file and storage systems performance?
- How will compilers and runtime systems support new classes of applications dominated by dynamic metadata structures?
- Will programmers continue to write traditional procedural programs or will a different paradigm become prevalent?

The topics of interests include but are not limited to programming models, languages, compilers and underlying communication libraries, for

- expressing parallelism;
- effective locality-aware computing;
- adaptive and global memory management including cache coherency;
- specifying concurrency;
- expressing workload partitioning, synchronization and data access; and,
- expressing resource management in an application.

Single- and multiple-investigator projects will be supported. Research collaborations are encouraged with industry, non-profit organizations, federal laboratories and Federally Funded Research and Development Centers (FFRDCs), including DOE National

Laboratories. The resulting HECURA award portfolio will: advance the high-end computing research frontier in novel programming models, languages, and compilers; build national education and workforce capacity (including undergraduate, graduate, and faculty development and training); and increase the impact of High End Computing.

The estimated number of awards is between 10 and 20 awards, with cumulative budgets of \$500K-\$1M and project durations of up to 3 years. NSF anticipates that awards will be made by the end of August 2008.

Applications are due by 5 PM proposer's local time on **APRIL 8, 2008**.

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08531

Ethics Education in Science and Engineering Program

The NSF's Ethics Education in Science and Engineering (EESE) program requests proposals for research and educational projects to improve ethics education in all of the fields of science and engineering that NSF supports, including within interdisciplinary or inter-institutional contexts. Proposals must focus on improving ethics education for graduate students in those fields or on developing summer post-baccalaureate ethics-education activities or other activities that transition students from undergraduate to graduate education. The program will entertain proposals in graduate ethics education in science and engineering generally. However, the program is particularly interested in proposals addressing issues of cultural relativity in research that is conducted in an international context and those addressing intellectual property issues, including scientific publishing. In these contexts, faculty and graduate students may find that they lack applicable standards or that the standards they are accustomed to do not match those of others with whom they interact (perhaps more so when international projects are interdisciplinary). Public concerns or challenges may also raise questions that need careful consideration (for example, with respect to real or perceived conflicts of interest or where human subjects are involved). The program also encourages proposals addressing intellectual property rights including scientific publishing, appropriate attribution, access to scientific data, and university-industry collaborations.



EESE is interested in encouraging innovative education and research projects likely to create long-term improvement in ethics education for graduate students in science and engineering. **EESE invites proposals for research projects, education projects, and combinations of the two.** It encourages applicants who are thinking creatively about ethics education, going well beyond standard approaches like providing students with a series of scenarios and having a discussion about them, or holding workshops and seminars with invited speakers, and then asking students to rate the activities on a survey form.

Please refer to the Program Solicitation at <http://www.nsf.gov/pubs/2008/nsf08530/nsf08530.htm> for additional information on the types of education and research programs that are of interest to the NSF.

PI Limit: NSF expects project teams to include persons with appropriate expertise. This might include expertise in the domain or domains of science or engineering on which the project focuses, in ethics, in educational research, and in pedagogy.

The maximum award amount is expected to be \$300,000. Collaborative proposals for the purpose of disseminating best practices in graduate ethics education will be eligible for a maximum award amount of \$400,000 (for example, projects that include partnerships between universities and scientific or engineering societies). Anticipated funding amount is \$2.4 million for an estimated 6 to 12 Standard Grants. The maximum award duration is expected to be 36 months.

FGCU may submit only one proposal as the lead organization. Please submit a letter of intent to Donna Stremke in ORSP by February 15, 2008. An internal selection process will be necessary if more than one letter is received. The deadline for full proposals to the NSF is April 3, 2008.

<http://www.nsf.gov/pubs/2008/nsf08530/nsf08530.htm>

Measurement, Science and Engineering Grants Programs

The National Institute of Standards and Technology (NIST) is accepting applications under its Measurement, Science and Engineering Grants Programs. Applications are sought for the following programs:

- **Electronics and Electrical Engineering Laboratory Grants Program.** This program supports the development of fundamental electrical metrology and of metrology supporting industry and government agencies in the broad areas of semiconductors, electronic instrumentation, radio-frequency technology, optoelectronics, magnetics, superconductors, electronic commerce as applied to electronic products and devices, the transmission and distribution of electrical power, national electrical standards, and law enforcement standards. Awards are expected to range from \$5,000 to \$150,000 for project periods of one to three years. Applications are due **JUNE 15, 2008.**
- **Manufacturing Engineering Laboratory Grants Program.** Provides support for research in the following fields: Dimensional Metrology for Manufacturing; Mechanical Metrology for Manufacturing; Machine Tool and Machining Process Metrology; Intelligent Systems; and Information Systems Integration for Applications in Manufacturing. Awards ranging from \$25,000 to \$250,000 may be made for project periods of one to five years.
- **Chemical Science and Technology Laboratory Grants Program.** Provides support in the following fields of measurement science research: Biochemical Science Process Measurements, Surface and Microanalysis Science, Physical and Chemical Properties, and Analytical Chemistry. Individual awards are expected to range from \$5,000 to \$100,000 for project periods of one to three years.
- **Physics Laboratory Grants Program.** Provides support in the following fields of research: Electron and Optical Physics, Atomic Physics, Optical Technology, Ionizing Radiation, Time and Frequency, and Quantum Physics. Awards are

expected to range from \$5,000 to \$500,000 per year for project periods of one to five years.

- **Materials Science and Engineering Laboratory Grants Program.** Provides support for research in the following fields of research: Ceramics, Metallurgy, Polymers and Materials Reliability. Awards are expected to range from \$2,000 to \$500,000 per year for project periods of one to five years.
- **Building Research Grants and Cooperative Agreements Program.** Supports research in the following fields: Structures, Construction Metrology and Automation, Inorganic Materials, Polymeric Materials, HVAC & R Equipment Performance, Mechanical Systems and Controls, Heat Transfer and Alternative Energy Systems, Computer Integrated Building Processes, and Indoor Air Quality and Ventilation. Awards are expected to range from \$5,000 to \$150,000 for project periods of one to three years.
- **Fire Research Grants Program.** Provides support for research in the following fields: Analysis and Prediction in Fire Metrology, Fire Fighting Technology, Materials and Products, and Integrated Performance Assessment. Awards are expected to range from \$25,000 to \$125,000 per year for project periods of one to three years.
- **Information Technology Laboratory Grants Program.** Supports research in the broad areas of mathematical and computational sciences, advanced network technologies, information access, and software testing. Awards are expected to range from \$10,000 to \$150,000 for project periods of one to five years.
- **NIST Center for Neutron Research (NCNR) Grants Program.** Provides support for research involving neutron scattering, for the development of innovative technologies that advance the state-of-the-art in neutron research, and for conferences and/or workshops that advance these objectives. Awards to universities to help to promote research by university students at the NIST/NSF Center for High Resolution Scattering are also funded under this program. Awards are expected to range from \$25,000 to \$100,000 per year for project periods of one to five years. Applications are due **JUNE 29, 2008**.
- **Center for Nanoscale Science and Technology Grants Program.** This program offers financial assistance in the field of nanotechnology specifically aimed at developing essential measurement methods, instrumentation, and standards to support nanotechnology development, from discovery to production, conducting collaborative research with NIST scientists including research at the CNST Nanofab, a national facility for nanofabrication and measurement, and assisting visiting researchers at the CNST. The primary objective is to develop new measurement methods, instrumentation and standards for nanotechnology and to explore new areas of nanoscale science and technology in a variety of areas and to conduct other outreach and educational activities that advance the development of nanotechnology by U.S. university and industrial scientists. Awards are expected to range from \$40,000 to \$150,000 per year for project periods of one to five years.
- **NCNR Sample Environment Equipment Financial Assistance Program.** The purpose of this program is to develop, design and construct new, state-of-the-art

equipment for dedicated use by the general scientific community on NCNR neutron beam stations that provide specific and well controlled environments of scientific interest for in-situ studies of the microscopic properties of a broad range of sample materials, such as molecular solids, thin films, biomolecules and biological membranes, solid state materials, polymers, and complex fluids, using neutron scattering and imaging techniques. Up to \$150,000 is expected to be available annually to support one to two awards for project periods of up to three years. Applications are due **MAY 30, 2008**.

Unless otherwise noted above, applications will be accepted on a continuing basis. Applications received after **June 1, 2008** may be processed and considered for funding under this solicitation in the current fiscal year or in the next fiscal year, subject to the availability of funds.

<http://a257.g.akamaitech.net/7/257/2422/01jan20081800/edocket.access.gpo.gov/2008/E8-1334.htm>

Computer Systems Research (CSR)

The National Science Foundation's (NSF) Computer Systems Research (CSR) program supports innovative research and education projects that:



- increase our understanding of large-scale and increasingly data-intensive computer systems and applications, through the creation of new knowledge needed to improve their design, use, behavior, and stability;
- capitalize on research opportunities provided by new technologies and new classes of systems;
- expand the capabilities of computer systems by developing highly innovative new ways to exploit existing technologies;
- lead to systems software that is quantifiably more reliable, easier to use, and/or more efficient; and
- produce innovative curricula or educational materials that better prepare future generations of computing professionals.

CSR-funded projects will enable significant progress on challenging high-impact problems, as opposed to incremental progress on familiar problems. Collaborative CSR projects that actively involve industry or other academic communities are particularly welcome. For example, to stimulate breakthroughs in human-aware computer and software systems and applications, multi-investigator, multidisciplinary proposals are encouraged. Further, CSR PIs should describe credible plans for demonstrating the utility and potential impact of their proposed work, for example, through empirical prototypes disseminated to and evaluated by the community.

The FY 2008 competition invites innovative, forward-looking research projects in the following three areas:

- Distributed and Mobile Systems and Services (DMSS);
- Parallel Systems, Computing and Execution (PSCE); and
- Embedded, Hybrid, and Critical Systems (EHCS).

Proposals may be submitted in one of the following three categories:

- **Small** - projects with total budgets up to \$450K and durations of up to 3 years (with maximum annual budgets of \$150K).
- **Team** - projects with total budgets up to \$2.0M, and durations of up to 4 years (with maximum annual budgets of \$500K).
- **Other** - including planning grants, workshops, Small Grants for Exploratory Research (SGER), and other community building activities. Planning grants and SGER proposals will be funded at levels up to \$100K/year for up to two years. Workshops in new or emerging areas in computer and software systems research and education will be funded at levels up to \$50K for one year. *Prior to submission of any proposal in the "Other" category, PIs must get permission to submit their proposals from a CSR Program Officer.*

The deadline for applications is **APRIL 23, 2008**.

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08538

CRIMINAL JUSTICE

Victims of Crime Act (VOCA) Grants

The Office of the Attorney General has announced the availability of Victims of Crime Act (VOCA) grant funds from the U.S. Department of Justice. The purpose of the VOCA grant funds is to support the provision of services to victims of crime. Services are defined as those efforts that respond to the emotional and physical needs of crime victims, assist victims of crime to stabilize their lives after a victimization, assist victims to understand and participate in the criminal justice system and provide victims of crime with a measure of safety and security.

Eligibility to apply for VOCA funds is limited to victim assistance programs administered by state or local government agencies or not-for-profit organizations registered in Florida, or a combination thereof.

Special consideration will be given to those applicants who will focus on child victims of Cybercrime, victims of child pornography, and innocent victims of gang violence, with an emphasis on the provision of therapeutic counseling services.

The funding cycle for the VOCA grant funds under this notice is October 1, 2008 through September 30, 2009. The deadline for applications is no later than 5:00 p.m. Eastern Standard Time on **FEBRUARY 29, 2008**.

<http://myfloridalegal.com/pages.nsf/Main/DF9AF2C047D08F7C85257260007276F9>

Legal Assistance for Victims (LAV) Grant Program

This Program is intended to increase the availability of civil and criminal legal assistance necessary to provide effective aid to adult and youth victims of domestic violence, dating violence, stalking, or sexual assault who are seeking relief in legal matters arising as a consequence of that abuse or violence.



The LAV Program awards grants to law school legal clinics, domestic violence victims' shelters, bar associations, sexual assault programs, private nonprofit entities, Indian tribal governments, legal aid or statewide, faith and/or community-based legal service providers. These grants are for providing direct legal services to victims of domestic violence, sexual assault, and stalking in matters arising from the abuse or violence and for providing enhanced training for lawyers representing these victims. The goal of the LAV Program is to develop innovative, collaborative projects that provide quality representation to victims of domestic violence, dating violence, sexual assault, and stalking.

The award period for new and continuation grants will be 24 months. Budgets must reflect 24 months of project activity. Applicants should carefully consider the resources needed to successfully implement the project proposed and present a realistic budget that accurately reflects project costs.

All applicants who intend to apply for FY 2008 funding under this program are encouraged to submit a **non-binding letter of intent to OVW by February 20, 2008**. Final applications are due by 8:00 pm (EST) on **MARCH 5, 2008**.

<http://www.ovw.usdoj.gov/docs/fy2008-lav-solicitation.pdf>

CROP SCIENCES

Integrated Pest Management: Crops at Risk and Risk Avoidance and Mitigation

The U.S. Department of Agriculture (USDA) Cooperative State Research, Education and Extension Service (CSREES) requests applications for the Integrated Pest Management (IPM) Program to support integrated, multifunctional/multidisciplinary agricultural research, extension and education activities that address complex pest management priorities in United States agriculture. This IPM Program RFA currently has two program areas: Crops at Risk (CAR) and Risk Avoidance and Mitigation (RAMP). The anticipated amount available for support of CAR in FY 2008 is approximately \$1,300,000. The anticipated amount available for support of RAMP in FY 2008 is approximately \$4,200,000.



Crops at Risk (Program Area Number 112.A)

The goal of a CAR application should be to enhance the development and implementation of innovative, ecologically-based, sustainable IPM system(s). Preferably, this should involve a diversity of tactics and approaches for a single or specific food or fiber commodity in commercial production. Applications may

address pre- and/or post-harvest system(s). Applications may address either a major acreage or high value crop commodity such as key fruits and vegetables. The primary emphasis of the application should be on crop productivity and profitability, while addressing critical environmental quality and human health issues.

Risk Avoidance and Mitigation (RAMP) (Program Area Number 112.B)

The goal of a RAMP proposal should be to enhance the development and implementation of innovative, ecologically-based, sustainable IPM strategies and system(s) for (a) multi-crop food and fiber production systems; (b) an area-wide or a landscape scale agroecosystem; or (c) a documented pesticide impact on water, human or environmental health. RAMP applications may address major acreage agricultural production systems, high value crops such as key fruit and vegetable systems, or other agro-ecosystems. The primary emphasis of the application should be on productivity and profitability while addressing critical environmental quality and human health issues. The intent of RAMP is to fund long-term projects that emphasize systems approaches. Applications should be multi-state/regional in scale or show relevance beyond an individual state.

CAR awards are expected to be 2-4 years in duration with maximum annual budgets of \$200,000. The maximum annual RAMP award will be \$625,000 for up to 4 years.

Deadline: FEBRUARY 29, 2008.

http://www.csrees.usda.gov/funding/rfas/ipm_integrated.html

Emerging Markets Program

The Commodity Credit Corporation (CCC) of the U.S. Department of Agriculture (USDA) announces the availability of funding for the Emerging Markets Program (EMP) for FY 2008.

The EMP assists U.S. entities in developing, maintaining, or expanding exports of U.S. agricultural commodities and products by funding technical assistance activities that promote U.S. products in emerging foreign markets. The Program is intended primarily to support export market development efforts of the private sector, but program resources may also be used to assist public organizations. All agricultural products, except tobacco, are eligible for consideration. Proposals which include multiple commodities are also eligible. EMP funding may only be used to support exports of U.S. agricultural commodities and products through generic activities.

Only technical assistance activities are eligible for reimbursement. Following are examples of the types of activities that may be funded:

- Projects designed specifically to improve market access in emerging foreign markets.
- Marketing and distribution of value-added products, including new products or uses.
- Studies of food distribution channels in emerging markets, including infrastructural impediments to U.S. exports.

- Projects that specifically address various constraints to U.S. exports, including sanitary and phytosanitary issues and other non-tariff barriers.
- Assessments and follow up activities designed to improve country-wide food and business systems, and to determine the potential use for general export credit guarantees for commodities and services.
- Projects that help foreign governments collect and use market information and develop free trade policies that benefit U.S. exporters as well as the target country or countries.
- Short-term training in broad aspects of agriculture and agribusiness trade that will benefit U.S. exporters.

Because EMP funds are limited and the range of potential emerging market countries is worldwide, consideration will be given to proposals that target countries or regional groups with per capita income of less than \$11,115 (the current ceiling on upper middle income economies as determined by the World Bank and populations of greater than 1 million.

While there is no minimum or maximum amount set for EMP-funded projects, most are funded at a level of less than \$500,000 and for a duration of approximately one year.

Any United States private or Government entity with a demonstrated role or interest in exports of U.S. agricultural commodities or products may apply to the program. Government organizations consist of Federal, State, and local agencies. Private organizations include non-profit trade associations, *universities*, agricultural cooperatives, state regional trade groups, and profit-making entities and consulting businesses.

No private sector proposal will be considered without the element of cost-share from the participant and/or U.S. partners. The EMP is intended to complement, not supplant, the efforts of the U.S. private sector. There is no minimum or maximum amount of cost share, though the range in recent successful proposals has been between 35 and 75%. The degree of commitment to a proposed project represented by the amount and type of private funding are both used in determining which proposals will be approved for funding. Cost-share may be actual cash invested or professional time of staff assigned to the project. Proposals in which private industry is willing to commit cash, rather than in-kind contributions such as staff resources, will be given priority consideration.

Deadline: **FEBRUARY 25, 2008.**

<http://a257.g.akamaitech.net/7/257/2422/01jan20081800/edocket.access.gpo.gov/2008/08-238.htm>

DEFENSE INITIATIVES

Biotechnology Risk Assessment Research Grants Program

The U.S. Department of Agriculture's (USDA) Cooperative State Research, Education and Extension Service (CSREES) and the Agricultural Research Service (ARS) request applications for the Biotechnology Risk Assessment Research Grants Program (BRAG) for FY 2008 to support environmental assessment research concerning the introduction of genetically engineered organisms into the environment. The amount available for support of this program in FY 2008 is approximately \$3.0 million.



The purpose of the BRAG program is to assist Federal regulatory agencies in making science-based decisions about the effects of introducing into the environment genetically modified organisms, including plants, microorganisms (including fungi, bacteria and viruses), arthropods, fish, birds, mammals and other animals excluding humans. Investigations of effects on both managed and natural environments are relevant.

The BRAG program supports risk assessment research, which is defined as the science-based evaluation and interpretation of factual information in which a given hazard, if any, is identified, and the consequences associated with the hazard are explored. Research funded through this program will be relevant to risk assessment and the regulatory process.

The BRAG program will also support risk management research, which is defined to include either: (1) research aimed primarily at reducing effects of specific biotechnology-derived agents; or (2) a policy and decision-making process that uses risk assessment data in deciding how to avoid or mitigate the consequences identified in a risk assessment.

CSREES and ARS will competitively award research grants to support science-based biotechnology regulation, thereby helping to address concerns about the effects of introducing genetically modified organisms into the environment and helping regulators to develop policies regarding such introduction. In addition, the BRAG program is accepting proposals seeking partial funding for a conference that addresses science-based risk assessment or risk management of genetically modified organisms released into the environment.

Applications to the BRAG program must address one of the following program areas or seek partial funding for a conference that addresses science-based risk assessment or risk management of genetically modified organisms released into the environment:

1. Research designed to identify and develop appropriate management practices to minimize physical and biological risks to the environment associated with genetically engineered animals, plants and microorganisms;
2. Research designed to develop methods to monitor the dispersal of genetically engineered animals, plants and microorganisms;
3. Research designed to further existing knowledge with respect to the characteristics, rates and methods of gene transfer that may occur between

genetically engineered animals, plants and microorganisms, and related wild and agricultural organisms;

4. Environmental assessment research designed to provide analysis which compares the relative impacts of animals, plants and microorganisms modified through genetic engineering to other types of production systems; and

5. Other areas of research designed that further the purposes of the BRAG program.

Awards will not be made for food safety risk assessment or risk management, human or animal health risk assessment or risk management, social or economic research, methods for seed storage, clinical trials, commercial product development, product marketing strategies, product stewardship, marketing or trade issues associated with genetically modified organisms, or other research deemed inappropriate to risk assessment or risk management relative to the environment.

Research proposal requests should be limited to a total budget of \$400,000 (including indirect costs) for 2-5 years of support. Conference proposal requests should be limited to a total budget of \$10,000. The BRAG program will not support applications for Postdoctoral Fellowships.

Deadline: **FEBRUARY 28, 2008**

http://www.csrees.usda.gov/funding/rfas/biotech_risk.html

Electronic Warfare Technology

The goal of electronic warfare is to control the electromagnetic (EM) spectrum by exploiting, disrupting, or denying enemy use of the spectrum while ensuring its use by friendly forces. To that end, ONR's Electronic Warfare Discovery and Invention (D&I) program invests in science and technology (S&T) initiatives that will provide Naval forces (including Navy and Marine Corps) with improved threat warning systems, electronic support measures (ESM), decoys, and electronic attack (EA) countermeasures as well as communication and navigation countermeasures.



ONR 312 Electronic Warfare (EW) seeks white papers for efforts that shall develop and demonstrate technologies for the next generation components and systems in Electronic Warfare. Although white papers addressing any truly innovative EW S&T will be considered, the primary emphasis of this BAA is on Advanced Radio Frequency (RF) Countermeasures Technology and Techniques. Proposed efforts should focus on development of technology and techniques to counter advanced threat radar and RF threat guidance systems employing waveform diversity, imaging techniques, passive detection/tracking, and advanced Electronic Protection (EP) features. The scope also includes multi-spectral threats and countermeasures to Integrated Air Defense Systems (IADS), as well as methods to monitor and assess the effectiveness of countermeasures on threat systems in real-time.

All responsible sources from academia and industry may submit proposals under this BAA. ONR anticipates a budget of \$2,000,000.00 per annum for the period FY09-FY11 for this

program. ONR plans to fund individual awards of \$100,000.00 to \$750,000.00 per year, for project periods of from one to three years. Projects will have an estimated start date of 31 October 2008, subject to date of final award and availability of new fiscal year funds.

Deadlines: White paper, **FEBRUARY 12, 2008**; full proposals, **May 12, 2008**.
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16386>

NRL-Wide Broad Agency Announcement (BAA)

The Naval Research Laboratory (NRL) is the Navy's corporate laboratory. NRL conducts basic and applied research for the Navy in a variety of scientific and technical disciplines. The basic research program is driven by perceptions about future requirements of the Navy.

NRL has issued an update to its Broad Agency Announcement (BAA) for the years 2007 and 2008 noting topic cancellations and revisions. Proposals may range from theoretical studies to proof-of-concept to include fabrication and delivery of a prototype. There are over 60 specific research topics of interest detailed in the BAA.

NRL encourages Educational Institutions, Small Businesses (SBs), Small Disadvantaged Business Concerns (SDBs), women-owned small businesses, HUBZone small businesses, veteran-owned small businesses, and Historically Black Colleges and Universities (HBCUs) and Minority Institutions (MIs) to submit proposals under this BAA.

This BAA is a continuously open announcement valid through **December 31, 2008**.
<http://heron.nrl.navy.mil/contracts/0708baa/baa.htm>

ENVIRONMENTAL PROGRAMS

Environmental Sustainability

The Environmental Sustainability program supports engineering research with the goal of promoting sustainable engineered systems that support human well-being and that are also compatible with sustaining natural (environmental) systems - - which provide ecological services vital for human survival. The long-term viability of natural capital is critical for many areas of human endeavor. Research in Environmental Sustainability considers long time horizons and incorporates contributions from the social sciences and ethics.



This program supports engineering research that seeks to balance society's need to provide ecological protection and maintain stable economic conditions. There are four general research areas which are supported:

- Industrial Ecology
- Green Engineering
- Ecological Engineering
- Earth Systems Engineering

Topics of interest in Industrial Ecology include advancements in modeling such as life cycle assessment, materials flow analysis, input/output economic models, and novel metrics for measuring sustainable systems. In Green Engineering Ecological Engineering topics should focus on the engineering aspects of restoring ecological function to natural systems. Earth Systems Engineering considers aspects of large scale engineering research that involve mitigation of greenhouse gas emissions, adaptation to climate change, and other global scale concerns.

All proposed research should be driven by engineering principles. Proposals should include involvement in engineering research of at least one graduate student, as well as undergraduates. Proposals emphasizing enhancement of American Competitiveness are encouraged. Incorporation of aspects of social, behavioral, and economic sciences is welcomed.

Deadlines: February 1 - March 1, 2008; and August 15 - September 15, 2008.

The duration of unsolicited awards is generally one to three years. The average annual award size for the program is \$100,000. Small equipment proposals up to \$100,000 will also be considered and may be submitted during the proposal windows. Any proposal received outside the announced dates will be returned without review.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501027

U.S. Standard Grants

The U.S. Standard Grants Program is a competitive, matching grants program that supports public-private partnerships carrying out projects in the United States that further the goals of the North American Wetlands Conservation Act (Act). These projects must involve long-term protection, restoration, and/or enhancement of wetlands and associated uplands habitats for the benefit of all wetlands-associated migratory birds.



The U.S. Standard Grants Program began supporting projects in the United States in 1990, shortly after the North American Wetlands Conservation Act of 1989 was passed. This program has been receiving 50 percent of the total available funding for Act-supported projects each fiscal year. In recent years, this amount has been approximately \$40 million annually.

Partners must match their grants request at no less than a 1-to-1 ratio. For example, partners requesting a \$1 million grant would need to also contribute at least \$1 million in partner funds (from nonfederal sources) towards the project. Grants generally range from \$75,000 to \$1 million.

Deadlines: MARCH 7 and August 1, 2008.

<http://www.fws.gov/birdhabitat/Grants/NAWCA/Standard/US/index.shtm>

Alzheimer's Disease Research Centers (P50)

The National Institute on Aging (NIA) invites applications from qualified institutions for support of Alzheimer's Disease Research Centers (ADRCs). These are designed to support and conduct research on Alzheimer's disease (AD), and to serve as shared research resources that will facilitate research in AD and related disorders, distinguish them from the process of normal brain aging and mild cognitive impairment (MCI), and lead to better diagnostic, prevention and treatment strategies. The AD Centers provide a platform for training as well as the stimulation of research related to clinical-pathological correlations in normal aging and neurodegenerative diseases. By providing an interdisciplinary infrastructure, they also support the development of novel techniques and methodologies that specifically address some of the challenges that characterize AD research.



Centers are expected to provide an environment and core resources which will enhance cutting-edge research by bringing together biomedical, behavioral, and clinical investigators to study the etiology, pathogenesis, diagnosis, treatment, and prevention of AD, and to improve health care delivery. Centers should also foster the development of new lines of research and provide a rich training environment for fellows and junior faculty to acquire research skills and experience in interdisciplinary AD research. The Centers provide investigators and research groups with well- characterized patients and control subjects, family information, and brain tissue and biological specimens. Centers should incorporate contemporary biochemical/molecular techniques and pursue research, when feasible, in genomics, epigenomics, proteomics and metabolomics. Centers are encouraged to develop in accordance with local talents, interests, and resources, but should also be responsive to national needs related to AD.

The ADRCs provide a mechanism for fostering and coordinating the interdisciplinary cooperation of a group of established investigators conducting programs of research on AD and related dementing disorders of older people. The central focus may be translational research, clinical – pathological research, basic research or a combination. Applicants are strongly encouraged to include efforts to address the needs of, and research on, ethnically and racially diverse people as well as other underserved populations.

The National Institute on Aging intends to commit approximately \$13.2 million (total costs) in FY 2009 to fund six to eight new and/or competing continuation grants in response to this FOA. New applications should request a project period of five years and a budget for direct costs of up to \$1 million dollars per year. The anticipated start date is April 1, 2009.

FGCU may submit only one application. Please submit a Letter of Intent to Donna Stremke in ORSP by February 15, 2008

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-09-001.html>

Investigator Awards in Health Policy Research

The Investigator Awards in Health Policy Research Program of The Robert Wood Johnson Foundation (RWJF) provides funding to highly qualified individuals undertaking broad studies of the most challenging health, health care and health policy issues facing America. Grants of up to \$335,000 are awarded to investigators from a variety of disciplines. Successful proposals reflect thinking that is creative and conceptual and crosses disciplinary boundaries in search of knowledge and of innovative solutions to critical health problems and policy issues.

Now in its 16th year, the Investigator Awards in Health Policy Research Program continues to encourage researchers whose cross-cutting and innovative ideas promise to contribute meaningfully to improving health and health policy. Applicants will be expected to undertake studies that:

- Explore underlying values, historical evolution and interplay among the social, economic and political forces that shape health, health care and health policy in the United States.
- Apply new perspectives from a variety of disciplines to analyze the organization, delivery and financing of health care services, workforce issues and public health challenges.
- Develop innovative ideas that hold promise for contributing to better policy-making.
- Synthesize existing work in ways that expose its policy significance and advance the understanding of key issues.

Applications are welcomed from investigators in such diverse fields as anthropology, business, demography, economics, engineering, ethics, genetics, health and social policy, history, journalism, law, medicine, nursing, political science, public health, psychology, science policy, social work, sociology and others.

Each year, the program provides 24- to 36-month grants of up to \$335,000 to highly qualified individuals to fund approximately 10 research projects that have national policy relevance. Applicants must be affiliated either with educational institutions or with 501(c)(3) nonprofit organizations located in the United States.

Deadlines: Letter of Intent, MARCH 26, 2008; invited full proposals, July 29, 2008.
<http://www.investigatorawards.org/>

Disabilities

The Ethel Louise Armstrong Foundation (ELA) was founded in 1994 by Margaret Staton to change the face of disability on the planet.

The ELA Foundation grants funds for established programs in the areas of arts and advocacy to nonprofit US 501(c)(3) organizations, which are led by or support adults with disabilities who are 22 or older. Distinctive, cutting edge programs that impact the lives of people with disabilities by changing the face of disability in a community are encouraged.

Grants from the ELA Foundation range from \$1,000 to \$5,000 per project. Support from other sources in the community must be demonstrated in the grant application before a grant will be considered.

The program must be approved for submission via the online grant application form in order for the full grant application to be accepted. Preproposal forms must be submitted online by **March 15th for the May 1 deadline** and by **September 15th for the November 1 deadline**.

<http://www.ela.org/grants/grants.html>

MARINE SCIENCES

Gulf of Mexico Alliance Regional Partnership Program

The EPA Gulf of Mexico Program's (GMP) mission is to protect, restore, and enhance the coastal and marine waters of the Gulf and its natural habitats; to sustain living resources; to protect human health and the food supply; and to ensure the long-term use of the Gulf shores, beaches, and waters. To carry out the GMP mission, EPA must continue to develop and maintain a partnership of State and Federal agencies, local governments, academia, regional business and industry, agricultural and environmental organizations, and individual citizens and communities that effectively addresses the complex ecological problems that cross State, Federal, and international jurisdictions and boundaries.



EPA and the National Oceanic and Atmospheric Administration (NOAA) are co-leads of a Federal Workgroup of thirteen federal agencies committed to supporting the Gulf of Mexico Alliance, a partnership formed by the five Gulf State Governors. The Gulf of Mexico Program is the lead for EPA and is issuing this Request for Proposals seeking proposals to strengthen and support the Alliance Regional Partnership.

The Gulf State Governors have released an Action Plan that addresses specific issues and projects which will result in a healthier Gulf of Mexico ecosystem and economy with a vision toward healthy and resilient coasts and communities in the Gulf of Mexico. The Plan sets out a strategy with actions addressing specific projects/activities that will deliver significant results to achieve the environmental outcomes of improved water quality for healthy beaches and shellfish beds; restored/protected coastal habitats; increased awareness/stewardship of the Gulf of Mexico; improved management of Gulf habitats; and reduced nutrient inputs to sustain productive Gulf aquatic ecosystems.

These actions are listed in this announcement under the following topic areas:

- Water Quality,
- Environmental Education,
- Identification and Characterization of Gulf Habitats, and
- Reducing Nutrient Inputs.

The Gulf of Mexico Program is announcing the availability of funding to address these activities in the Action Plan. While applicants may submit multiple proposals under this announcement, each proposal must be for a separate topic area. Proposals addressing more than one topic area will be rejected. Applicant's proposals must address one or more Actions under a topic area.

The EPA expects to award an estimated \$3,000,000 depending on availability of funds and the evaluation and quality of proposals. An estimated ten to fifty projects are expected to be awarded. The estimated award range is from \$13,000 to \$330,000.

Deadline: MARCH 15, 2008

<http://www.epa.gov/gmpo/pdf/gom-alliance-regional-partnership-projects-funding-announcement.pdf>

PSYCHOLOGY

Undergraduate Summer Research Program

The APA Science Directorate is pleased to announce a new program for 2008 -- the Summer Science Fellowships (SSF). SSF aims to immerse advanced undergraduate students in the science of psychology by exposing them to the excitement and promise of the best of psychological science. The principal objective is to inform these students about the science of psychology and its promise for the future, and help prepare them for the rigors of graduate study in psychological science.

An expenses-paid, intensive summer training program, the purpose of SSF is to allow up to 12 talented students to be placed in the psychology laboratories of some of the most outstanding researchers in the Washington, DC area for up to 6 weeks. APA currently has labs and faculty committed from The Johns Hopkins University, University of Maryland, and George Mason University. The subject areas of interest range from cognitive science, to developmental psychology, to applied experimental psychology.

The SSF program gives students an opportunity to explore the intellectual, personal, and social processes of scientific inquiry and to experience cutting-edge psychological research through hands-on laboratory activities. SSF offers promising students the opportunity to equip themselves with skills essential to succeed in graduate school, and gives students who plan to pursue advanced degrees in psychological science the opportunity to be mentored by nationally-known faculty.

The six-week program is expected to run from late June to early August. APA will pay students a summer salary of \$2500 for the 6 week period, as well as cover all travel and living expenses. This should make the program financially feasible for most college students.

Eligibility is strictly limited to rising college seniors at US or Canadian colleges and universities. Applicants should be psychology majors, although students with related preparation may apply if they expect to enter a psychological science graduate program. International students enrolled in US or Canadian colleges are eligible; US citizenship is not required. Students from underrepresented groups are especially encouraged to apply.

Applications are due Monday, **MARCH 3, 2008**.
<http://www.apa.org/science/ssf.html>

F.J. McGuigan Young Investigator Prize

The \$25,000 Prize is given biennially to a young psychologist engaged in research that seeks to explicate the concept of the human mind.

Research must be from a primarily psychophysiological perspective, although physiological and behavioral research may also qualify. Dualistic approaches, such as those espoused by many contemporary cognitive psychologists, do not qualify for support.

Nominees must have earned a doctoral degree in psychology or in a related field and be no more than nine (9) years post-doctoral degree at the nomination deadline. Nominees must have an affiliation with an accredited college, university, or other research institution. The prize will be awarded to the recipient's institution for the benefit of his or her research. Indirect costs of the institution will not be supported.

Deadline: MARCH 1, 2008.
<http://www.apa.org/apf/mcguiganprize.html>