The Cyber Center and Computing Research Institute (CRI) are pleased to solicit proposals for the Cyber Center Special Incentive Research Grant (Cyber Center-SIRG) program. This is a one year award (August 2010 to July 2011) for a doctoral student, with a total of (4) being awarded. Please see the attached document for the terms of the Cyber Center-SIRG award.

The proposal should be limited to 5 pages and must address the following points:

1. A description of the proposed work.
2. The strengths of the student to be funded.
3. The proposals should be multidisciplinary and collaborative in nature. The Cyber Center is especially interested in supporting high quality research projects that have the potential to enhance Purdue's visibility in Data Intensive Science and Engineering and/or High Performance Computing (further described below).
4. The proposal should state how the work done under this award will lead to a proposal for external funding that would be submitted through the Cyber Center.
5. Preference will be given to proposals submitted by two faculty members from two departments. Also, preference will be given to those who have not received a Cyber Center-SIRG fellowship support for a student in the past two years.

Students supported by a Cyber Center SIRG award will be required to

A. Make a poster presentation at a Cyber Center poster session.
B. Create a web page describing the project that will be linked to from the Cyber Center web page. The webpage should acknowledge Cyber Center-SIRG.
C. Make a presentation in the Cyber Center/CS&E seminar series 2010-2011 and submit copies of publications resulting from this award. Publications resulting from this award will be listed in Cyber Center's HPC@Purdue publication list.
D. Discuss the project in our exit interview at the end of the project period.

Within our most recent history, there has been an exponential growth in the volume of data captured by instruments and sensors, generated by HPC computational models, etc. The Cyber Center wants to encourage continued investment within HPC areas of research, but also to expand research opportunities to include Data Intensive Science and Engineering. DISE is approaching the growing volume of data through three basic activities: capture, curation, and analysis. Novel approaches in scalable computational processing, visualization, validation, multidisciplinary collaboration, provenance, accessibility and sustainability are required to open the door for new and unanticipated applications. We expect continued federal funding for HPC research, and a new thrust in federal funding for DISE. The Cyber Center is very interested in proposals responding to this call that will position Purdue to compete for such external funding. With this in mind, preference will be given to proposals that address these needs and are of relevance to the research community.

Please submit your proposals in the standard format with a cover page. Do provide the name of the doctoral student to be supported by this Cyber Center-SIRG on the cover page.

Proposals are due in the Cyber Center office (Campus Mail: Young 928) by Friday, July 16, 2010, with an electronic copy sent to ckmoore@purdue.edu. A Cyber Center panel will review proposals and choose the recipients. Proposers will be notified on Friday, July 30 whether or not their proposal is selected.

Please direct any questions regarding this call for proposals to Peter Baker (pnbaker@purdue.edu).

Please Note: This announcement (Call for proposals for Cyber Center-SI RG 2010), the Cyber Center-SI RG regulations, and the cover page of Cyber Center-SI RG are attached.

Cyber Center SIRG
June 4, 2010
Purdue University Regulations: Cyber Center-SIRG

Graduate Staff Appointment
The Cyber Center-SIRG Grant supports a .50 FTE research assistantship at Purdue. The student must be registered during the entire appointment period. As with other one-half time research appointments, the student must register for a minimum of 6 hours of Ph.D. research (699). During the Summer Sessions registration limits are one half of the regular semester. A Cyber Center-SIRG Research Assistant may accept an additional graduate staff appointment to the extent allowed by regulations of the Graduate School -- [Section IV] - http://www.gradschool.purdue.edu/downloads/facstaff/2004PP.pdf.

Salary Amount
SIRG Grants provide an annual salary equivalent to Purdue's current minimum half-time graduate salary established by the Graduate School and funds to cover graduate student medical insurance and fringe benefits. In addition, the student supported on the grant receives a remission of all tuition and fees except for the applicable graduate appointment fee, repair and rehabilitation fee, and any discipline specific differential fees.

Student Eligibility
Only Purdue University graduate students in good standing (minimum GPA = 3.0) working for the Ph.D. degree may be appointed as Cyber Center-SIRG Research Assistants. The student must have satisfied all the requirements of the graduate program to be recognized as a Ph.D. student (e.g. Ph.D. program qualifying requirements, etc, as appropriate) and be actively working on their Ph.D. research (e.g. registered for credit in a departmental 699 graduate research course).

Substituting Students
Substitution of one eligible Ph.D. graduate student for another eligible Ph.D. graduate student may occur at any time at the discretion of the faculty grant recipient and approval of the Cyber Center Director. To change the student supported on a Cyber Center-SIRG Research Grant, the faculty P.I. should contact the Cyber Center in order to request the change. Academic departments are responsible for verifying student eligibility.

Regulatory Approvals
If the research project supported by the Cyber Center-SIRG Research Grant requires review and approval of protocols for compliance with regulations - use of vertebrate animals (PACUC), human subjects (IRB), and/or r-DNA, infectious agents, human tissues or human cell lines (IBC) - either all appropriate approvals must be active and current when research is initiated, or a Memorandum of Understanding [MOU] must be in place until the needed regulatory approvals are obtained. If a MOU is needed, the Cyber Center-SIRG Research Grant recipient can request it through the OVPR office. Regulatory approvals must remain active and current until the project is completed.
**Salary Supplement**  
Cyber Center-SIRG research grants are made at the university minimum salary for a half-time appointment. A department may supplement the salary of a SIRG Research Assistant with the following:

Salary support requiring no additional duties, from:

-- departmental, non-sponsored program funds (e.g. funds 21010000, 5XXXXXXX)
-- unrestricted voluntary support administered by SPS (e.g. fund 4901XXXX);
-- a sponsored project, if the research benefits both projects, the research assistant's efforts are allocable to both projects, and the salary being charged is allowable on the sponsored project.

Salary distribution for the supplemented .50 FTE Cyber Center-SIRG graduate appointment is made through the IT27 distribution system and certified through the PAR process.

Salary support through an additional graduate appointment.  

A supplementation from a fellowship account which will be subject to the policies of Executive Memorandum A-199.

**Modifications to Status of Grant**  
Once the grant has been awarded, the Office of Research Administration, must be notified, in writing [email is acceptable], if the faculty recipient of a Cyber Center-SIRG Research Grant leaves Purdue University. No-cost extensions of the SIRG grant are possible with approval of the Cyber Center Director.
Cyber Center-Special Incentive Research Grant (SIRG)

Cyber Center

Interdisciplinary Center OR Program OR Proposal Grant Funding Agency & P.I.

Cyber Center-SIRG Principal Investigator
- First, MI, Last

Department

Title of Project

Phone # & Email address

Department

School

Name of Student

Student ID #

Date Master's degree awarded or expected

Date of admission to Purdue Graduate School

Graduate Index (Based on ______________ accumulative hours completed)

This research study will involve the use of: (check all that apply or include Approval # if known)
PACUC [Vertebrate Animals] IRB [Humans] IBC [r-DNA, Biohazard, infectious agents, or unfixed human fluids, human tissues or human cell lines]

Principal Investigator

Project Director

(please attach description of project of approximately 5 pages)