



CHARLOTTE RESEARCH INSTITUTE

FUNDING PROGRAM DESCRIPTION:

FEDERAL LABORATORY STUDENT SUMMER PROGRAM

The endowment provided by Duke Energy will result in an opportunity for UNC Charlotte faculty members affiliated with the Institute's centers to recommend outstanding undergraduate students for a summer of participation in the research programs of the Federal Laboratories operated by the Department of Energy. In the case of the Argonne National Laboratory, special cost sharing arrangements have been made for UNC Charlotte students. General principles that have been approved by the Institute's Board for the expenditure of the Duke Energy funds are to:

- Support any and all of the recognized focus areas of the Charlotte Research Institute
- Emphasize commitments that support the development of human intellectual capital
- Support proposals based on strategic fit and program excellence rather than on any proportionate basis
- Emphasize the importance of synergistic projects, including those that offer financial, operational, or research leverage or those that include beneficial collaboration with external parties
- Enable opportunistic action to support newly developed projects by balancing short- and long-term commitments and creating a flexible awards process
- Emphasize the importance of funding special initiatives rather than routine expenses
- Engage in active process of performance management and communication

This document describes the process by which the Institute's support for this program will be awarded in accord with the principles above.

Summer research experiences at DOE laboratories are available to undergraduate students via direct application at <http://www.dep.anl.gov/highered/summr.htm>. Applicants must apply on-line and subsequently submit evaluations from three of their professors. For students who select as references faculty members affiliated with the Institute's centers, cost sharing is available in the amount of \$7,000. This support may be obtained by submitting a CRI application form, together with a copy of the file, the application materials, and letters of reference to the executive director of the Charlotte Research Institute. Funds in this program will be awarded on a first come – first served basis until they are expended. A brief report on the experience will be required of the student upon his or her return to campus.

Federal Laboratory Student Summer Programs

The U.S. Department of Energy's (DOE) Argonne National Laboratory, a major research center, and the Charlotte Research Institute (CRI) announce opportunities for The University of North Carolina at Charlotte undergraduate and graduate students to participate in the Argonne Laboratory's ongoing basic scientific research programs. Research may be conducted in the basic physical and life sciences, mathematics, computer science, and engineering as well as in a variety of applied areas relating to conservation, environment, fission and fusion energy, and other energy technologies.

Summer 2005 Program (Undergraduate Students)

The undergraduate summer 2005 program extends for a ten week period which begins on June 1, 2005 and runs through August 6, 2005. There is some limited flexibility in the appointment period. In addition to their research activities, participants attend a series of seminars and tours dealing with current topics in science and engineering.

At Argonne, university students may obtain research experience through the Department of Energy's Science Undergraduate Laboratory Internships Program or the Student Research Participation Program. These programs are open to:

- Students with a grade point average of a least 2.5 on a 4.0 scale;
- U.S. Citizens or permanent resident alien status;
- Sophomores, juniors, or seniors enrolled in a U.S. college or university.

Housing allowances (apartment type lodging facility on site), transportation, and stipends are provided to participants. The stipend is \$400 per week and transportation reimbursement is as follows:

- Round trip costs to come to Argonne are provided to students who live more than 50 miles away (some restrictions apply).
- Local transportation will be provided once a student has accepted an offer.
- A housing allowance is provided when housing is not directly provided.
- Transportation expense are reimbursed for one round trip between your home or academic institution (wherever you are located immediately prior to the start of your appointment and wherever you go immediately following your appointment) and the facility.
- Travel will usually be paid only for students whose permanent address is more than 50 miles away from Argonne.
- Transportation expenses will be reimbursed on the basis of the most direct route.
- Travel by a private automobile will be reimbursed at the current government rate up to maximum \$350 or the cost of the lowest commercial airfare, whichever is lower.
- Travel by air will be reimbursed at the cost of the lowest commercial airfare.

To apply for the program at Argonne, you must submit an application at the Department of Energy website for this undergraduate program. **Deadline for submitting applications is February 1, 2005.**

A copy of the student's application must be presented to his/her advisor, department head, center director and executive director of the Charlotte Research Institute for approval prior to submission if support from the Institute is requested.

For the Argonne Student Research Participation Program Application apply online through the Argonne Division of Educational Programs at <http://www.dep.anl.gov/catalog/application.html>.

Laboratory-Graduate Research Appointments (Graduate Programs)

Laboratory-Graduate Research (Lab-Grad) appointments are available for qualified U.S. university graduate students who wish to carry out their thesis research at Argonne National Laboratory under co-sponsorship of an Argonne staff member and a faculty member. The university sets the academic standards and awards for the degree. In practice, participation by the faculty member varies from full partnership in the research to general supervision of the student's thesis work. The Argonne staff sponsor undertakes to keep the faculty sponsor informed about the student's progress, and he/she attends the thesis defense.

The Lab-Grad appointments are for a one-year term with annual renewals being contingent upon satisfactory performance by the appointee. Appointments usually commence when the student begins full-time thesis research at Argonne after having completed all other academic requirements. In certain cases, students may be awarded support for pre-thesis studies on campus, provided that they intend to carry out their thesis research at Argonne.

Support of a Lab-Grad appointee consists of a stipend, tuition payment up to \$5,000 per year, and certain travel expenses. In addition, the student's faculty sponsor may receive payment for limited travel expenses. In cases where the student's annual tuition costs exceed \$5,000 per year, the Charlotte Research Institute will provide additional financial assistance to the student.

An application for a Lab-Grad appointment may be submitted at any time during the year and an appointment may commence at any time. To be eligible for a Lab-Grad Appointment,

- a student must be a U.S. citizen or permanent resident alien;
- a completed application should be submitted at least one month prior to any proposed starting date for earlier application submission is advantageous because the availability of Lab-Grad appointments is limited by funding constraints.

Argonne National Laboratory encourages applications for Laboratory-Graduate appointments from all qualified persons, especially women and members of underrepresented minority groups.

Mutual interest in areas of research by the student and the Argonne staff sponsor is essential for the successful arrangement of a Lab-Grad appointment. To help the parties gauge their mutual interest, a limited number of temporary appointments are available for qualified graduate students so that they may work with an Argonne staff member and become familiar with his/her research program. These temporary appointments have a tenure of three months and support consists of a per diem payment to help defray the cost of living away from home, plus travel expenses.

To apply for the Laboratory Graduate Program, go to <http://www.dep.anl.gov/> Graduate Programs, Laboratory-Graduate Research Appointments. Three (3) reference forms are required; please read carefully and make sure all required signatures are obtained.

To receive CRI support, a copy of the student's application must be presented to his/her advisor, department head, center director and executive director of the Charlotte Research Institute for approval prior to submission.



CHARLOTTE RESEARCH INSTITUTE

Vision

The Charlotte Research Institute will enhance the technology infrastructure of the Charlotte region by facilitating the development of intellectual capital through global collaboration with industry, academia and government to create a top-tier interdisciplinary technology research community.

Mission

The mission of the Charlotte Research Institute is to facilitate the development of applied technology by:

- Pursuing strategically planned and focused interdisciplinary research programs in collaboration with industry, academic and government sectors that will generate world recognized accomplishment.
- Advancing the development of human and intellectual capital by attracting and leveraging expertise and resources to enhance the research, academic and technology foundations of the region.



CHARLOTTE RESEARCH INSTITUTE

COVER SHEET - FUNDING PROGRAM REQUEST

FUNDING PROGRAM _____

EVENT TITLE _____

EVENT DATE _____ AMOUNT REQUESTED _____

CONTACT NAME _____ PHONE _____

DEPARTMENT _____

CENTER AFFILIATION _____

DETAILED PURPOSE OF REQUEST (PLEASE ATTACH ANY DOCUMENTATION AVAILABLE) _____

ANTICIPATED IMPACT OF PROJECT AND RELEVANCE TO CHARLOTTE RESEARCH INSTITUTE MISSION

BUDGET:	TRAVEL.....	\$X,XXX
	LODGING	\$X,XXX
	MEALS	\$X,XXX
	HONORARIUM (IF VISIT MORE THAN 2 DAYS)	\$X,XXX
		TOTAL: \$X,XXX
	CENTER/DEPT CONTRIBUTION	\$X,XXX
	FUNDING LEVERAGE (IF APPLICABLE).....	\$X,XXX
	(DEPT, CENTER, AGENCY, ETC.)	
	AMOUNT REQUESTED OF CRI.....	\$X,XXX

PROPOSED ITINERARY (ATTACH DETAILED DAILY ITINERARY TO THIS DOCUMENT)

US CITIZEN: YES NO

APPROVALS:

SIGNATURE _____ DATE _____

DEPARTMENT CHAIR _____ DATE _____

DEAN _____ DATE _____

CENTER DIRECTOR _____ DATE _____

CHARLOTTE RESEARCH INSTITUTE _____ DATE _____

REPORT OF ACTIVITY/EVENT IS REQUIRED UPON COMPLETION OF PROJECT

FOR OFFICE USE ONLY:

REQUEST APPROVED

REQUEST DENIED

PAYMENT/INVOICES PROCESSED

FOLLOW-UP REPORT



CHARLOTTE RESEARCH INSTITUTE

FUNDING PROGRAM REQUEST

FOLLOW-UP DOCUMENT

FUNDING PROGRAM EVENT _____

WHEN _____

WHERE _____

WHY _____

RESULTS OF ACTIVITY (DESCRIBE BRIEF HIGHLIGHTS OF THE ACTIVITY IN TERMS OF CRI'S MISSION. PLEASE ATTACH ANY PUBLICATIONS, ETC.)

PROGRAM AGENDA/OTHER PERTINENT DOCUMENTATION (HIGHLIGHT SIGNIFICANT PRESENTATIONS, LECTURES, RESEARCH ACTIVITIES, ETC. PROVIDE ATTENDANCE NUMBERS WHEN APPROPRIATE) _____
