

As part of our education mission, IREAP endeavors to enhance the preparation of students for careers in science and technology. Toward that goal, IREAP has initiated three programs that provide research opportunities for graduate and undergraduate students:

TREND

***Undergraduate Summer
Research Program***



Undergraduate Research Fellowship



Graduate Research Fellowship

These programs are available to students who are currently enrolled and majoring in a mathematical, engineering, or physical science program. In addition to their intrinsic educational value, these programs provide their participants a competitive edge in applying for jobs or graduate study.

Brief descriptions of these research opportunities follow, but please visit our website for more details.

www.ireap.umd.edu

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College Park, MD 20742-3511



Student Research Opportunities

Institute for Research in Electronics and Applied Physics

University of Maryland
Energy Research Facility
Building 223, Paint Branch Drive
College Park, MD 20742-3511
(301) 405-4951

www.ireap.umd.edu



TREND: Training and Research Experiences in Nonlinear Dynamics

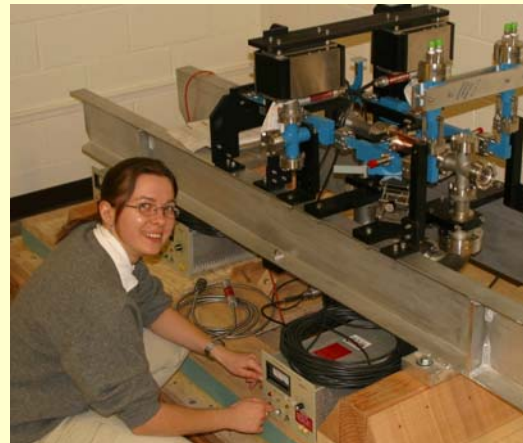
This 11-week summer program offers undergraduate students hands-on research experience in the field of nonlinear dynamics. Students select from among the projects offered, then work in small teams supervised jointly by faculty members and graduate students. The program culminates in the TREND Fair, a half-day program during which student teams demonstrate their accomplishments and are evaluated by a panel of experts.

The TREND program is open to U.S. citizens and permanent residents only. Students must be currently enrolled in a college or university and have a GPA of 3.3. TREND students will receive a \$4,500 stipend for their work in the summer. For any who reside outside the Washington, DC metropolitan area, on-campus room and board in designated UMCP-owned and operated facilities will be provided. The program begins in early June and ends in mid-August.

Undergraduate Research Fellowships

The Undergraduate Research Fellowship introduces undergraduates to the discipline and rewards of leading edge research projects. Students spend approximately ten hours per week during the fall and spring semesters working with an IREAP faculty mentor. Awardees receive a stipend of \$1,500 for each semester

All undergraduate students in science, mathematics, or engineering who have completed at least 14 credit hours and attained a minimum GPA of 3.2 are eligible to apply for the fellowship.



For further information on any of these programs please visit our web site at:

www.ireap.umd.edu/ireap/StudentInfo.htm



Graduate Research Fellowships

Fellowships have been established for graduate students (Masters or Ph.D) interested in basic and applied research being conducted at IREAP. Under the direction of a faculty advisor, fellows undertake research in a specialty area of their choice within the wide range of projects conducted by IREAP members.

Candidates for the fellowship must be nominated by an IREAP faculty member and have been accepted to the graduate program in one of the participating departments: *Electrical and Computer Engineering, Materials and Nuclear Engineering, Physics, Mathematics, or Atmospheric and Oceanic Science.*

IREAP fellowships are intended to supplement financial awards already made to incoming students. The fellowship award is initially for a two-year period, with the possibility of yearly renewal for an additional three years. Fellows are expected to select an IREAP research project by the end of their first academic year at UMCP.