UNDERGRADUATES EXPERIMENTAL RESEARCH OPPORTUNITIES
SUMMER 2014 (June 9 - August 1, 2014)  |  Interfaces: Engineered and Natural System

Undergraduate students are invited to participate in the following research projects, details of which can be found in the Web Site given at the bottom of the flyer:

1. Interaction of Nanoparticles with Microbial Biofilm in Water Treatment Facility Processes
2. Electrocatalytic Energy Conversion at the Interfaces of Hybrid Carbon-Bismuth Nanoparticle Assemblies
3. A Biological Optoelectronic Nanopore for DNA Sequencing and Stochastic Sensing
4. Emulating Human Reasoning for Enhancing Decision Making
5. Ramp Metering Control in Freeway System

Please send your application package to arrive by April 28, 2014 to:
Professor Anant R. Kukreti
Director for Outreach, College of Engineering
Department of Biomedical, Chemical and Environmental Engineering
P.O. Box 210012
University of Cincinnati
Cincinnati, Ohio 45221-0012
Phone: (513) 556-4105 or 3562
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E-Mail: anant.kukreti@uc.edu

Deadlines:
April 28: Application Review Starts
May 9: Application Deadline
May 14: Last Admission Notification
May 19: Last Participation Confirmation
June 8: Students arrive on campus
June 9: First day of REU

Applicants are expected to participate in writing technical papers for publication, conference presentations, and presentation at their home school after returning from the summer research experience.

** Applicants must be U.S. citizens or permanent residents who will be enrolled in a B.S. engineering degree program as a sophomore, pre-junior, junior or senior during the academic year 2014-2015 or is currently enrolled as a senior graduating by the end of the Fall 2014 term. Participants will receive a stipend to cover eight weeks salary of $4,000 (or $500/week) plus a maximum of $2,696 to cover costs for room and board (required to submit actual expenses incurred), food, parking, and recreation center charges. Woman and minority candidates will be given priority and are so encouraged to apply. Persons with disabilities will be accommodated.

*** On your application package, indicate your first, second, third, fourth, and fifth project of interest (any one must be acceptable); expected graduation date; GPA; course work completed and in progress; other experience which is relevant to the project areas (explain); a three to five page essay (double spaced) presenting your background and biographical information, explaining why you are interested in this program, how this program will benefit you and your career goals; and two recommendation letters from your instructors, each in a sealed and signed envelope. One of the recommendation letters must be from a faculty member who is willing to coordinate the presentation at your home school. Also, enclose an official copy of your recent transcript.

**** Deserving candidates will be selected as the applications are received (in April). Apply early and do not wait till the last date in sending your application. A total of 15 students will be selected.

The flyer and application form can also be viewed at the following Web Site:
http://www.eng.uc.edu/reu/summer/2014