

Nature InSpired Engineering Research Experiences for Undergraduates (NISE-REU)

A ten week summer program designed to immerse undergraduate students in engineering research inspired by nature's wonders. Undergraduate researchers will build their own knowledge base, produce and present novel research results, become members of an ongoing research and collaboration community, and develop tools to bring their experiences and knowledge to a broader audience.

June 8 through August 14, 2009

UNIVERSITY OF
DELAWARE

College of Engineering
www.nise.udel.edu

Prof. Kenneth Barner
barner@udel.edu
(302) 831-6937

Prof. Takashi Buma
takbuma@udel.edu
(302) 831-8447



Undergraduate students are invited to participate in a ten week summer research program sponsored by the National Science Foundation and the University of Delaware. Benefits to students include:

- An immersive research experience with hands on laboratory work supported by a \$4500 Research Fellowship.
- Broad exposure to nature inspired engineering in areas such as biomedical imaging, ultrasonic sensors, tissue engineering, bio-drug delivery, natural fiber composites, bio-based composite bridges, groundwater system modeling, solar power, robotic flying insects, and bio-sensors for disease management.
- New skills development for technical writing and presentations, online collaborations, advanced degree studies, lifelong learning, and critical reasoning in ethics.
- Academic year follow-up opportunities with University faculty, fellow participants, and a growing online community of NISE focused researchers and teachers.

Please visit the project website (www.nise.udel.edu) for additional program information and to complete an application. We look forward to seeing you in the laboratory!

