Undergraduate Research Opportunities at the Combustion, Plasma and Nanoparticle Laboratory at the University of Oklahoma

Research opportunities in combustion, plasma and flame synthesis of nanomaterials are available for undergraduate (juniors, and seniors) students interested in Mechanical Engineering in the fields of combustion and plasma sciences. Research projects will involve flame synthesis of transition metal oxide nanostructures for energy storage devices, flame synthesis and characterization of carbon nanotubes and fullerenes, morphological studies and measurements of soot particulates and other combustion emissions from traditional fuels and biofuels, and the study of corrosive effects of biofuels. Other projects are currently being considered.

- Research Experience is almost imperative, if one is considering graduate school
- Apply current learning in an experimental setting and solve complex problems
- This experience could be used to fulfill required Experimental, Technical and/or Science Elective courses
- Unique opportunity to interact with Graduate students and Professors in a research laboratory setting

Interested individuals:
Please contact Dr. Wilson Merchan-Merchan by E-mail at wmerchan-merchan@ou.edu with the following information:
- a) a brief essay (a few paragraphs) about yourself and plans (if any) to attend graduate school. b) a copy of your resume.

Website: http://www.ou.edu/coe/ame/people/merchan-merchan.html

Some of these research projects are supported by NSF.