Robert Geiger

Masters Student at Texas A&M University

rpg32@tamu.edu

Summary

I have worked with and designed many plasma reactors with the purpose of energy production from a variety of feed materials. I would like to continue to explore new ways of energy production in order to find ways that are more efficient and productive then current industrial processes.

Specialties

I have worked mostly with gliding arc discharges and dielectric barrier discharges.

Experience

Graduate ResearchAssistant at Texas A&M - Plasma Engineering and Diagnostic Lab

Sept 2009 - Present

Carbon Oxide Solids. Novel Discharge in Liquids.

Research Fellow at Drexel Plasma Institute

April 2007 - September 2009

Plasma-assisted Fuel Conversion

Teaching Assistant at Drexel University

October 2006 - December 2006 (3 months)

I assisted Dr. Alexander Fridman with his class for undergarduate thermodymanics. Some of my main responsibilities included the following: provide assistance to students with questions regarding homework problems or other difficulties with class material, distribute tests and homework assignments, and collect them when they are completed, and grade homework assignments and tests and keep track of students grades.

Research Fellow at Drexel Plasma Institute

March 2006 - September 2006 (7 months)

Engineered a plasma reactors for the USDA to be able to study plasma fruit sterilization. Also investigated Gliding Arc discharges in reverse vortex flows.

Education

Texas A&M University

Masters, Mechanical Engineering, 2009 - 2014

Drexel University
2006 - 2009

Honors and Awards

Phi Theta Kappa honors society, Drexel Dean's Scholarship

Interests

Plasma, Computers, Electronics, Health, Investing, Guitar, Piano

Robert Geiger

Student at Drexel University

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3 people have recommended Robert

"Rob comes across as a very hardworking and knowledgeable person. He joined the Drexel Plasma Institute recently and is a very fast learner. Within a short span of time he has worked on numerous Plasma based projects and led them to successful completion. One interesting project which he has successfully worked on was the development of a plasma device which could sterilize and decontaminate fresh produce. His other projects involve Plasma Fuel conversion and Plasma waste treatment. Although I have not worked directly with him on his projects, I have found during informal research discussions, that he has in-depth knowledge about his plasma device and the associated plasma chemistry. I am sure he will be very successful candidate in his research endeavors. I wish him all the success for his future"

— Sameer Kalghatgi, *PhD Candidate, Drexel University*, worked directly with Robert at Drexel Plasma Institute

"Rob's an overall great guy. I would highly recommend him for whatever position he pursues and would love to continue working with him in the future should the opportunity present itself. Why do I say this? Well, I'm not going to mention that Rob is the reason I am now 40 lbs lighter -- he taught me how to loose weight and keep it lost. Rob is able to maintain balance between working hard in the lab (and achieving results), being creative, getting good grades in his classes, and having time for his friends. Again, whatever he will do from here he will succeed. I am sure of that."

— Gregory Fridman, *Ph.D. Candidate, Drexel University, BioMed Engineering*, managed Robert indirectly at Drexel Plasma Institute

"Rob is extremely knowledgeable not only in the operation of his device, but also the chemistry and the mechanisms of plasma which allow his device to function. Rob is very easy to get along with and is an avid learner. I would greatly recommend him for any task he chooses to pursue."

— Moogega Cooper, *Graduate Student, Drexel University*, worked with Robert at Drexel Plasma Institute

Contact Robert on LinkedIn