



Alabama Plasma Internship Program



Project Title:

Characterization and Control of Vacuum Plasma Jet

Project Reference Code:

UAH-Xu2

Host Facility:

The University of Alabama in Huntsville

Host Facility Location:

301 Sparkman Dr.
Huntsville, AL 35899
<https://www.uah.edu/>

Project Description:

The atmospheric plasma jet is a useful tool for material treatment in atmospheric pressures. In vacuum conditions, such as for vacuum plasma processing or space propulsion, the jet behaves noticeably differently. This project seeks to study and characterize the plasma behavior at low pressures for potential applications to cathodes and plasma deflection studies.

Disciplines:

Engineering, Physics

Is U.S. citizenship required to participate in this project?

No

Name(s) of Mentor(s) and contact information:

Gabe Xu (gabe.xu@uah.edu)

Internship Coordinator/ HR manager:

Dana Waller (dsw0012@uah.edu)

The name and contact information of personnel at the host facility is provided for further assistance with questions regarding the host facility or the project.

Interns will not enter into an employee/employer relationship with the host facility. No commitment with regard to later employment is implied or should be inferred.