



**Project Title:**

Measuring Thrust of a Space Rated, 3 cm Iodine Ion Thruster

**Project Reference Code:**

UA-Branam1

**Host Facility:**

The University of Alabama

**Host Facility Location:**

Tuscaloosa, AL 35487

<https://www.ua.edu/>

**Project Description:**

In collaboration with the Air Force Institute of Technology and Busek Co., Inc., the University of Alabama is measuring thrust, plume plasma properties, and performance to prepare the thruster for deployment to space on a CubeSat.

**Disciplines:**

Space Plasma Thruster

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

Yes

**Internship Location and COVID-19 related Backup Plan**

Due to the COVID-19 pandemic, we are preparing multiple options to ensure that the internship will take place. We are looking at least at an in-person, hybrid, and fully virtual option. For any in-person component we will ensure that there is adequate physical spacing between workspaces, following all university cleaning protocols.

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

Richard Branam ([rdbranam@eng.ua.edu](mailto:rdbranam@eng.ua.edu))

**Internship Coordinator/ HR manager:**

Amy Lang ([alang@eng.ua.edu](mailto:alang@eng.ua.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.