

******Undergraduate Research Opportunity**

 **J**oint **A**dva**N**ced **P**rop**U**lsion In**S**titute

 *NASA Space Technology Research Institute*

“*This material is based upon work supported by NASA under grant number 80NSSC21K111. Any opinions, findings, and conclusions or*

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*National Aeronautics and Space Administration (NASA).”*

**Program Description:**

Develop the **next** **generation** of experimental thruster characterization protocols and space simulation facilities needed to develop **future** high-power electric propulsion technologies to propel NASA exploration missions by joining the Georgia Tech [High-power Electric Propulsion Laboratory](https://hpepl.ae.gatech.edu/).  The summer experience will include experimental testing of electric propulsion technologies, the operation of plasma diagnostics, and the operation and optimization of ground-based space simulation facilities. The research activities will focus on the ultimate goal of extrapolating ground-based measurements of high-power Hall thrusters performance, plume, and lifetime to the environment of space as part of the [Joint Advanced Propulsion Institute](https://januselectricpropulsion.com/), a NASA Space Technology Research Institute.

***Be a part of defining what’s next in electric propulsion!***

**Details:**

* 10-week summer research program offered at the Georgia Institute of Technology in Atlanta, GA
* $6,000 stipend
* Advisement and mentoring by Georgia Tech faculty and graduate students
* An opportunity to find out more about research and life at Georgia Tech

**Tentative Program Dates**

May 21 - July 28, 2023

APPLICATION DEADLINE FEBRUARY 15, 2023

**Eligibility Requirements**

* Rising juniors and rising seniors**from any U.S. based college of university (who will not have graduated by May 2023)** in a computing, engineering, science, or other technology major.
* Should have a cumulative GPA of 2.75 or better.
* Should have not yet completed a Bachelor's degree.
* **Must be a U.S. citizen or permanent resident**
* Women, underrepresented minorities, as well as students with community college experience or those attending institutions with limited opportunities for undergraduate research, are encouraged to apply.
* Prior research experience is desirable but not required.

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