



STUDENT SUSTAINABILITY COMMITTEE

Funding Award and Acceptance Letter

May 4, 2016

Project Leaders: Alexander Faustino
Project: Student Space Systems – Liquid Rocket Engine

Dear Mr. Faustino:

On behalf of the University of Illinois at Urbana-Champaign Student Sustainability Committee (SSC), I would like to thank you for considering the funds raised by the Sustainable Campus Environment Fee to implement a project that improves the sustainability of our campus. SSC is pleased to inform you that we are recommending to the Institute for Sustainability, Energy, and Environment (iSEE) that the Student Space Systems Liquid Rocket Engine **receives \$11,945 in grant funding**.

In order to remain eligible for this award, you must agree to the following conditions:

1. A final report of all work completed should be provided to the SSC Program Advisor by January 31, 2018.
2. Project status updates and detailed account statements must be provided at the end of each semester until the project is completed.
3. The CFOP provided for this award shall strictly be used for the money awarded in this proposal.
4. Any substantial modifications to project scope, budget, or timeline must first be approved by SSC. These requests must be submitted in a formal letter to the Chair and Program Advisor.
5. All projects will be expected to follow campus policies and procedures as well as any applicable State and Federal laws.
6. SSC reserves the right to revoke funding if the project does not comply with the terms and conditions outlined in this letter.
7. Any press releases or educational/promotional materials involving the project should acknowledge SSC funding.
8. Any signage involving the project or events surrounding this project should include SSC's logo and/or a statement of which fee funded the project. Projects must coordinate with SSC to ensure promotion appropriately highlights the SSC's contributions to the project.
9. Projects must participate in the Campus Sustainability Symposium at least once before June 30, 2018.

If you agree to the terms and conditions for the funding, please sign on the designated line at the bottom of this letter. If you have any questions regarding these requirements please contact the Chair, Paul Couston, at pcousto2@illinois.edu or the SSC Coordinator, Micah Kenfield, at kenfield@illinois.edu. You will be notified when the Institute for Sustainability, Energy, and Environment and Vice Chancellor for Student Affairs officially approves this project. Again, thank you for your interest in improving the sustainability of the University of Illinois at Urbana-Champaign. We look forward to working with you in the future.



STUDENT SUSTAINABILITY COMMITTEE

SSC Signatories

Paul Couston

Paul Couston, Chair
Student Sustainability Committee

Marcous Phillip

Marcous Phillips, Treasurer
Student Sustainability Committee

Awardee Signatory

Alexander Faustino

Alexander Faustino
Aerospace Engineering

iSEE Signatory

Evan DeLucia

Dr. Evan DeLucia, Director
Institute for Sustainability, Energy & Environment

Student Affairs Signatory

Renee Romano

Dr. Renee Romano
Division of Student Affairs



STUDENT SUSTAINABILITY COMMITTEE

Project Information

Project: Student Space Systems – Liquid Rocket Engine

Funding Source: Sustainable Campus Environment Fee

Funding Amount: \$11,945

Receiving Campus Unit: Aerospace Engineering

Primary Contact: Alexander Faustino

E-mail: afausti2@illinois.edu

Secondary Contact: Sean Ebihara

E-mail: sebiha2@illinois.edu

Project Description:

Rocketry and space travel is, in general, an extremely unsustainable process. Wasteful construction processes are followed by the use of extremely toxic and polluting chemicals in the rocket engines themselves.

The Student Space Systems Liquid Rocket Engine Project is a student-led effort to design, construct, and launch a more sustainable approach to suborbital space travel. The pilot test of their liquid rocket engine will use a waste-free 3D-printed rocket combined with a clean-burning, liquid methane engine.

Going beyond its direct carbon impact, there is a strong educational value to this proposal as well. Hundreds of engineering students work on or are exposed to the work of Student Space Systems, and this project showcases sustainable design principles in an area often not reached.

This proposal directly funds:

1. Cost for 3D printed manufacture of the test rocket
2. Supplies and equipment for construction and testing of the liquid rocket engine