



STUDENT SUSTAINABILITY COMMITTEE

Funding Award and Acceptance Letter

May 9, 2014

Project Leader: Dr. Soon-Jo Chung
Project Team: Erik Lopez, Luke Toczek, Andrew Putch
Project: Composites in Aviation
Re: Sustainable Campus Environment Fee - Award Recommendation

Dear Dr. Chung:

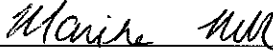
On behalf of the University of Illinois at Urbana-Champaign Student Sustainability Committee (SSC), I would like to thank you for considering the funds raised by the Sustainable Campus Environment Fee to implement a project that improves the sustainable culture of our campus. SSC is pleased to inform you that we are recommending to the Institute for Sustainability, Energy, and Environment (ISEE) that the Composites in Aviation project receives \$52,930 in grant funding to design and build aircraft that utilize alternative energy or fuel efficient principles.


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

1. All funds must be spent by May 31, 2016.
2. A final report of all work completed should be provided to the SSC Program Advisor by June 30, 2016.
3. Project status updates and detailed account statements must be provided at the end of each semester until the project is completed.
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. Upon implementation, signage must educate the public about the project and its impact on campus.
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.
9. Any press releases or educational/promotional materials involving the project should acknowledge SSC funding. Projects must communicate with the SSC's External Vice Chair to come up with appropriate marketing for the project.
10. Projects must participate in the Campus Sustainability Symposium at least once before June 30, 2017.

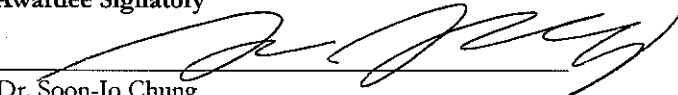
If you agree to the terms and conditions for the funding, please sign on the designated line at the bottom of this letter. If you have any questions regarding these requirements please contact the Chair, Marika Nell, at nell2@illinois.edu or the Student Programs & Activities Assistant Director, Dementro Powell, at dementro@illinois.edu. You will be notified when the Institute for Sustainability, Energy, and Environment 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.

SSC Signatories

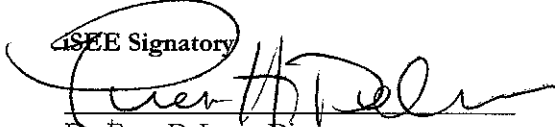
 5/16/14
Marika Nell
Chair, Student Sustainability Committee

 5/16/14
Kathryn Kinley
Treasurer, Student Sustainability Committee

Awardee Signatory


Dr. Soon-Jo Chung
Department of Aerospace Engineering

ISEE Signatory


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



STUDENT SUSTAINABILITY COMMITTEE

Project Information

Project: Composites in Aviation

Funding Source: Sustainable Campus Environment Fee

Funding Amount: \$52,930.

Award Code: 1-303692-615000-615181

Receiving Campus Unit: Department of Aerospace Engineering

Unit Financial Contact: Greg Anderson, Business and Financial Coordinator

E-mail : ganders@uillinois.edu **Phone:** 217-265-0930

Primary Contact Person: Dr. Soon-Jo Chung

E-mail: sichung@uillinois.edu **Phone:** 217-244-2737

Project Description: Student Aircraft Builders (SAB) is an organization dedicated to teaching students from all across campus how to work together as a team to successfully construct a flyable airplane. Through the first year of existence, SAB has managed to create a foundation of hardworking students which has us well on our way to completing our first aircraft. Now that we have gained the necessary resources and experience we are ready to move forward with our primary goal: foster advancements in aviation by expanding student experience in sustainable energy technology and principles. Our plan for achieving said goal is a two-step process, each step representing a different tier in funding.

Tier 1

SAB is currently in the process of designing a quarter-scale, composite, alternative energy glider. In doing so, students will learn the necessary skills behind designing a plane as well as the basics for composite airframe construction; this is especially important to us because composite airframes, like the one found on Boeing's 787 Dreamliner, are the forefront of the aerospace industry.

Tier 2

With the newfound knowledge of composite aircraft construction, SAB plans to build a Burt Rutan Long EZ. Burt Rutan is an aerospace engineer famous for his groundbreaking airplane designs. The Long EZ was specifically designed for fuel-efficient long-range flight by using composites and a canard in the airplane (figure 1).

By constructing a composite airplane we hope to introduce the University of Illinois campus to the future of sustainable, energy efficient aircraft. Additionally, we hope to continue providing a valuable educational experience for students.