AEROSPACE ENGINEERING
ENGINEERING
SUMMER RESEARCH OPPORTUNITIES FOR UNDERGRADUATE WOMEN
APPLICATION DEADLINE: 03/01/2019

PROJECT TITLE: Maple Seed Inspired Controlled Decelerator

Mark G. Turner
Aerospace Engineering Dept.
745C Baldwin Hall
Cincinnati, OH 45221
mark.turner@uc.edu
(513)556-3222 UC voice
(513)556-5038 UC Fax

Project Description

A Maple Seed inspired design can replace parachutes as a decelerator, and be controlled. A maple seed can be interpreted as a wind turbine, and with that understanding can lead to novel applications.

The student will expand on the work of application of the maple seed as a decelerator, and its control.

The student will learn about design, control, Intellectual Property, and perform tests of the devices.
No special experience is necessary.