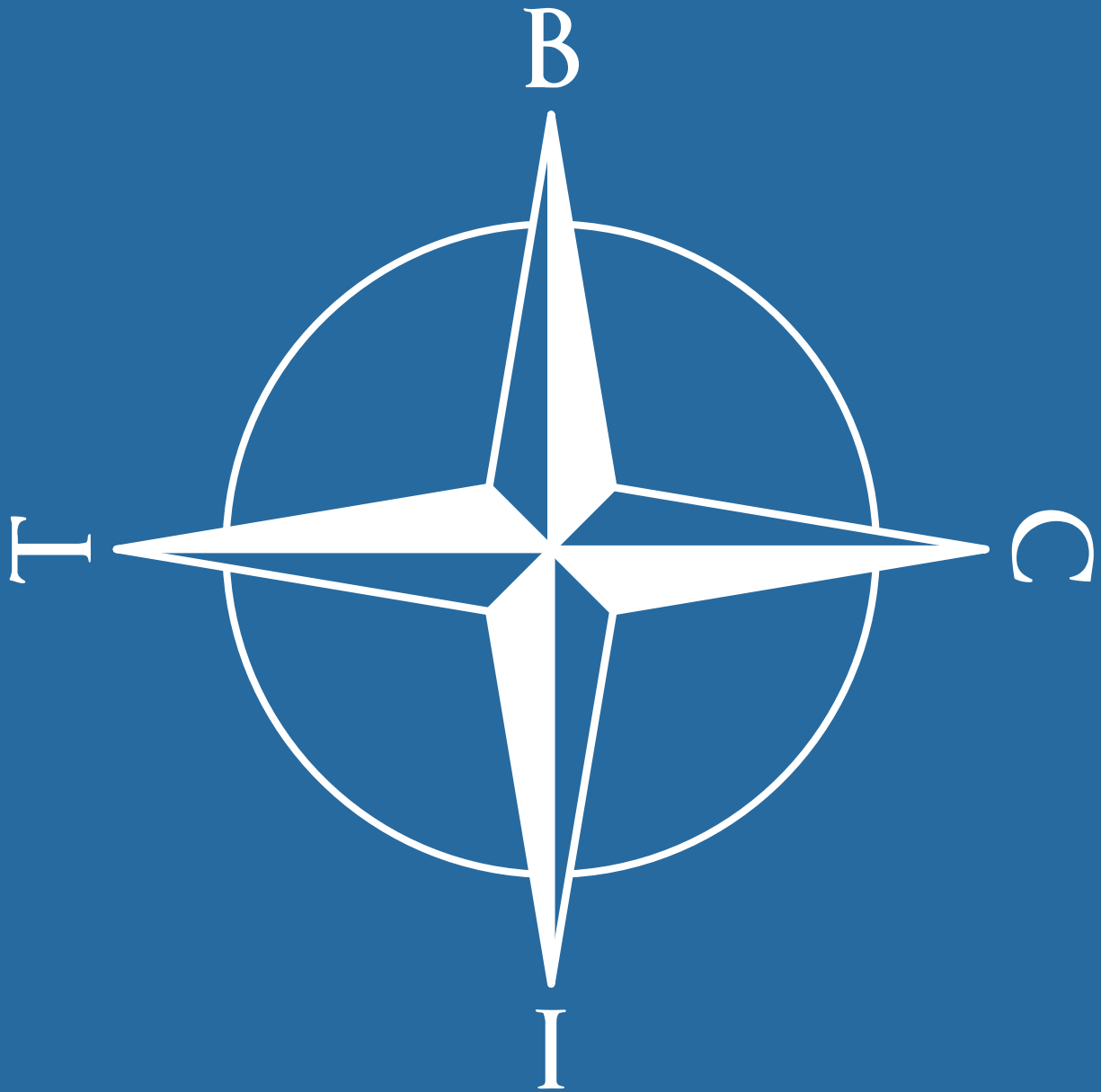


BCIT SAILBOT

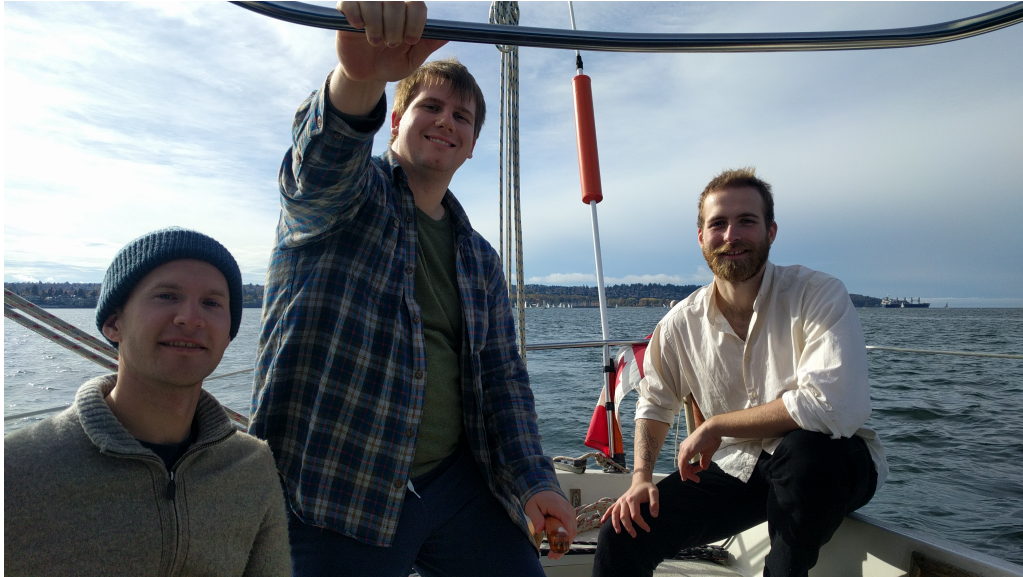


**Sponsorship Package
2016-2017**

Who We Are

BCIT Sailbot is a student initiative under the IEEE BCIT Student Branch to design and build an autonomous sailboat, or "sailbot" for the International Robotic Sailing Regatta (IRSR) in June 2017. This will be BCIT's first time competing and we intend to win.

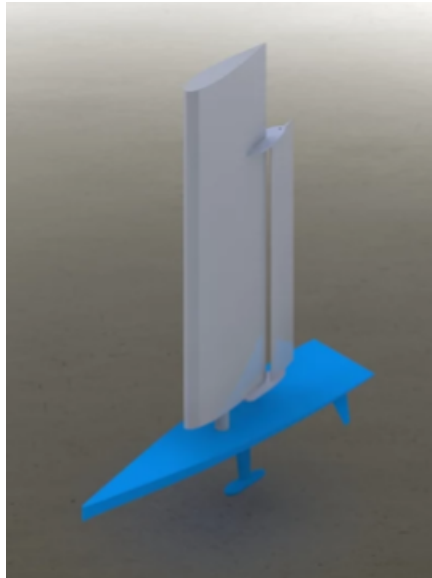
Our team consists of a half-dozen students that come from BCIT's Mechatronics, Electrical Engineering and Mechanical Engineering programs. These are students who, on top of their formal education in engineering, wish to dedicate even more time to be part of a challenging project.



Sail What?

A sailbot is an autonomous sailboat. By relying on the wind for propulsion, and using solar power to reliably power the entire craft we have a vehicle that is well suited for long distance voyages.

Sailbots have great potential in applications such as fish stock management, environmental monitoring for the mining and petroleum industries and oceanography. It is a developing technology and competitions like the IRSR give students the opportunity to contribute to its advancement.



One of our keys to success will be our use of a self-trimming wing sail over a traditional sail. This design reduces the number of control points, eliminates the need for rigging, and significantly increases mechanical robustness needed for autonomous sailing. BCIT is also set apart from other institutions because we will have the ability to do most, if not all of the manufacturing in our own facilities.

The Competition

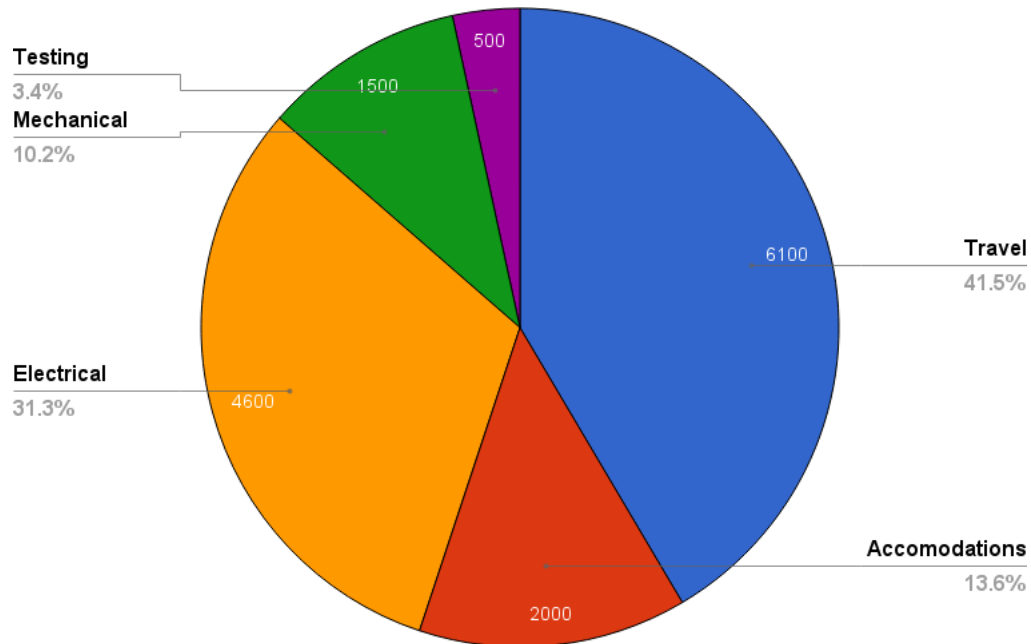
Every year teams from across the world come to compete at the International Robotic Sailing Regatta competition. At the IRSR, there are a number of races that test navigation, tactics and design. During the competition, the sailboat must steer and trim sails based on measurements of the wind, position, and direction without human intervention.

This year IRSR takes place in Annapolis, Maryland June 11 - 16th at the United States Naval Academy. If you'd like to check out the IRSR some more, their website is right [here](#).

Why We Need Your Help

More than anything else, developing a state of the art robotic sailboat requires dedication from the entire team. It also requires advanced materials, high-tech microcontrollers, accurate sensors and powerful communication equipment, and to top it all off we need to get the team and the sailbot to the East Coast. All of these are expensive, and this is why your support is so critical to the success of our team.

Sailbot Budget: \$14700



Sponsorship Levels

Bronze - \$500

For helping the sailbot team achieve their goals, a Bronze Level sponsor is thanked on our webpage and a small logo on the sailbot.

Silver - \$1000

A Silver Level sponsor is thanked with an article on our webpage as well as the placement of their logo on the sailbot.

Gold - \$2500

For donating a large fraction of the sailbot budget, a Gold Level sponsor is thanked with an article on our webpage as well as prominent graphic of their logo on the sailbot.

Contact Information

If you would like further information regarding the BCIT Sailbot team, or would like to show your support for the team, please contact us at bcit.sailbot@gmail.com. Additionally you may follow the progress of the team on our [webpage](#), and even see the project develop on our [github repository](#).

Sincerely,

Matthew Knight, BCIT Sailbot Team Captain