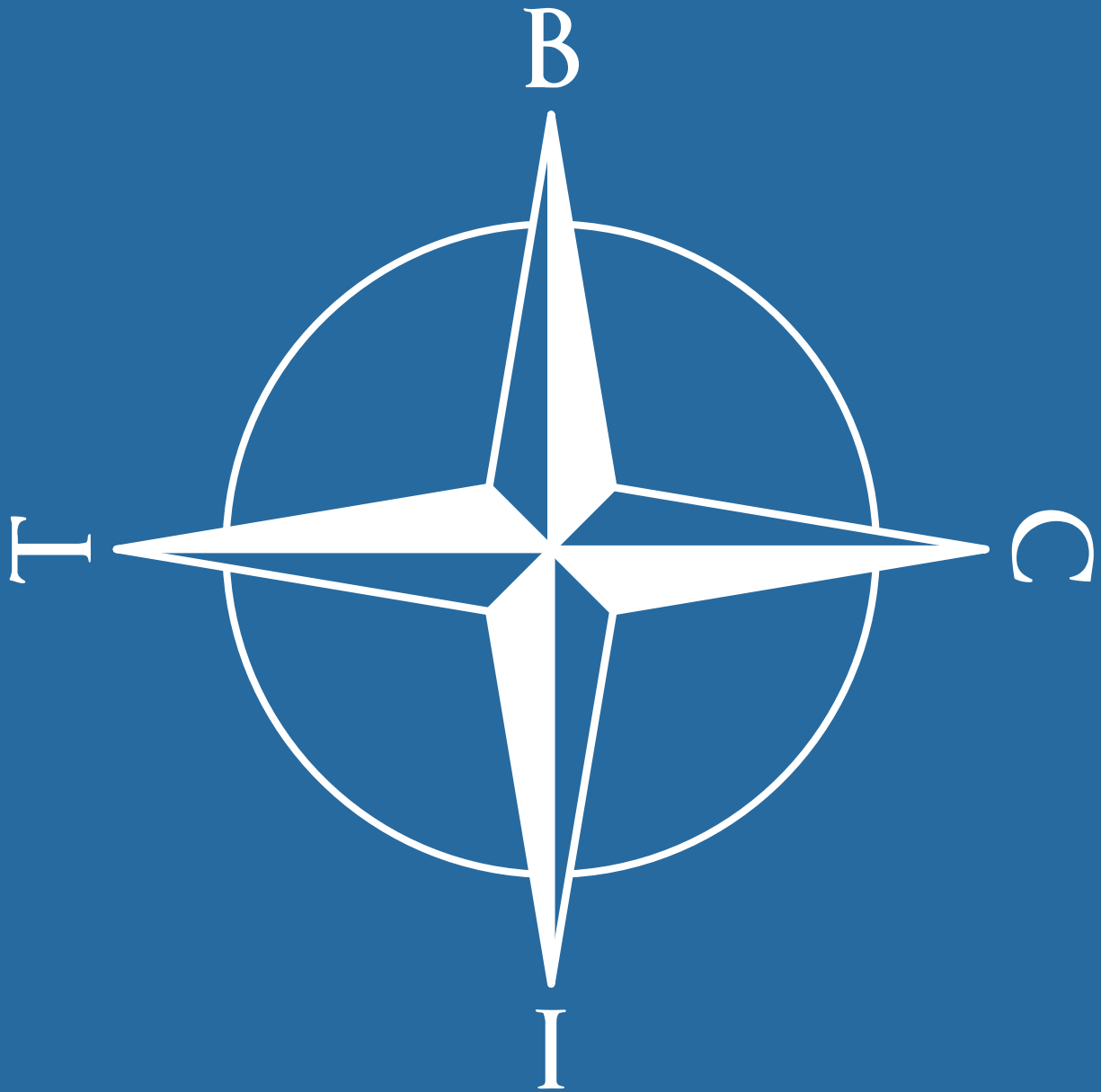


# BCIT SAILBOT



**Sponsorship Package  
2016-2017**

## Who We Are

BCIT Sailbot is a student initiative under IEEE BCIT 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 over a dozen students that come from BCIT's Mechatronics, Electrical Engineering and Mechanical Engineering programs. These are students, who come together not for class credit or financial gain, but to further their abilities by being a part of a challenging project. Designing and building the sailbot will help them improve both their technical, and non-technical skill sets as well as some MacGyvering skills like any good engineering 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 allow students to take part in its advancement.

## 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. These items are expensive, and this is why your support is so critical to the success of our team.

Sailbot Budget

Project Timeline

Sponsorship Levels

## 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](mailto:bcit.sailbot@gmail.com)

Sincerely,

Matthew Knight, BCIT Sailbot Team Captain