

CSULA RoboSub – Project Research Form

Please Read:

The purpose of this application element is for you to do research on the part of the project you plan to work on during your time in the club. We want everyone to get the most out of their experience here, so choose a topic that interests you the most or will help you the most for the career path you'd like to take. If you realize halfway through your research that you aren't interested in what you're researching, we strongly encourage you to pick a different topic. We want you all to explore your options and choose the part of the project you'll be most compelled to put your best work into.

Research Topics:

- Waterproofing Electronics
- Hydrophones and Sonar
- Computer Vision (ROS)
- IMU and Barometer Sensors
- AUV Framing Materials
- AUV Framing Designs
- Pneumatic Systems (torpedoes)
- Buoyancy
- Power Distribution
- Servo Mechanisms (arm/dropper)

The Research Paper:

Please take the time to research your topic extensively. This means that you should have a good knowledge foundation that you can build off of once you join the club. Once you've done all the necessary research to know what you want to work on for this project, please type up a 1-2 page paper on what you researched (12pt, single spaced). Please fill out the information requested and staple this form to your application. There is no due date – you will be added to the club roster once you turn in your paper, so you're free to turn in the application whenever you're ready to start doing work. :)

Please Fill out the Following Information:

Name: _____

Email: _____

Major: _____

Note: All RoboSub teams must submit a journal that provides technical details for their sub. These are very useful for design inspiration and understanding: <http://www.robonation.org/competition/robosub>