

Assignment 0

Goal

Simulation environments are a powerful tool for robot design and algorithm development. You can use our Gazebo simulation environment to extensively and safely test your algorithms before deployment on our BlueROV hardware platform. This assignment and the linked installation guide provide you with a step-by-step guide.

Task

1. Please fill out this short survey: <https://forms.gle/5u1RnDKToN93iRxm6>
2. Follow the install guide https://hippocampusrobotics.github.io/fav_docs/
3. Control the simulated BlueROV via your keyboard and test its actuators for all degrees of freedom.
4. Record a short video clip, e.g. with your smartphone, which shows that your simulation environment is working as described in the installation guide. Use a common video format such as *.mp4, or *.mov. File size ideally <10 MB.

Support

If you have any questions please reach out to the Slack-channel #assignment-0

Submission

1. The name of your video has to follow the format: `assignment0_familyname.mp4`. Each student is required to submit their own video.
2. Submit the video clip via this form <https://forms.gle/db8MWhSTEEracE3k6>.

As announced in the lecture, if you do not have access to a Google account please e-mail us under formulasandvehicles@gmail.com or reach out via Slack.

Deadline: 23.10.2024, 23:59 CEST