Mechanik und Meerestechnik

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.

Task:

1) Please fill-out this short survey: https://forms.gle/frVKCnDpJxykdXy89
2) Follow the installation guide under https://hippocampusrobotics.github.io/fav_docs/.
3) Control the simulated BlueRov via your keyboard and test BlueRov actuators for all degree 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 <10MB.

Support:
If you have any questions regarding this assignment 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/2Ac1FZqaHDLPB3Jb6.

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: 09.11.2020, 23:59