



The Centre for Ocean Energy Research (COER) in Maynooth University has some internship opportunities. These are an unpaid internships, although interns may avail of grants, or similar, (eg Erasmus), to support their internship expenses.

What we do offer, is the possibility to participate in a dynamic research environment, working on a topical research area, amongst highly motivated PhD students, postdocs, and other interns. Intern supervision is jointly managed by the COER Director, Prof. John Ringwood, and one or more of the lab's postdocs/PhD students. Interns are registered as students of Maynooth University, so have access to all University facilities as well as the COER lab facilities - desk space in the COER lab, computing and network facilities, etc.

Some more information on our activities, publications and people is available at:

<http://www.eeng.nuim.ie/coer/>

For more information or to apply contact: [CarrieAnne.Barry@mu.ie](mailto:CarrieAnne.Barry@mu.ie)

### **Internship project 3: Development of a predictor for relative foil/fluid velocity**

This 3-4 month internship project will be part of the EUHorizon 2020 LiftWEC project: [LiftWEC](#) and can be described as follows. The reliable prediction of the wave induced relative foil/fluid velocity is important for the development of real time control strategies for cyclorotor based WECs. It is planned to generate statistics relating to foil/fluid velocity changes from numerical simulations, develop the statistical distribution hypothesis, and select the suitable prediction method. The selected method will be programmed in Python and tested in simulation.

The candidate will have some experience with statistics and an interest in wave energy technology.