

Postdoctoral researcher position in the EPHYSLAB group at the Universidade de Vigo, Spain
“SPH modelling of point absorbers and survivability analysis”

Project info:

Title: Survivability of Wave Energy Converters (<https://ephyslab.uvigo.es/surviwec/>)

Call: "Proyectos de I+D+i Retos Investigación"

Reference: PID2020-113245RB-I00

Funding: Ministerio de Ciencia e Innovación & Agencia Estatal de Investigación (Spain)

PI: Alejandro J. Cabrera Crespo & M^a Teresa de Castro Rodriguez

Place and term:

Research group: EPHYSLAB (FA9), Universidade de Vigo

Location: Edificio Campus da Auga, Ourense (Spain)

Duration: 12 months, full time (37.5 hours per week)

Planned start date: June (estimated time) or after the resolution of applications

Your future role:

- Numerical modelling of point absorbers
- Validation with our own experimental data
- Survivability study of WECs using numerical modelling
- Researching and improving open-source SPH solvers (<https://dual.sphysics.org/>)
- Writing and contributing to publications

We are looking for someone with:

- A PhD degree in Civil, Mechanical or Computer Science Engineering or similar
- Demonstrated experience on modelling of wave energy converters
- Experience in any of the following is advantageous: SPH modelling, GPU computing
- English language skills
- Good social skills

Online application will be available soon. Meanwhile, candidates should send a short letter with a detailed CV to Prof. Alejandro Crespo (alexboxe@uvigo.es).