

Beatriu de Pinós FELLOWSHIPS @ LIFE group

FLUID STRUCTURE INTERACTIONS IN OFFSHORE AND WIND ENGINEERING

The Laboratory for Fluid-Structure Interaction (LIFE) (<http://www.etseq.urv.es/life>) of the Department of Mechanical Engineering at the Universitat Rovira i Virgili (URV) (www.urv.cat) in Tarragona (Spain), is looking for an enthusiastic postdoctoral candidate with a strong interest in fluid dynamics. Successful candidates will join a small but very active multidisciplinary team, working in fluid-structure interaction problems. The research will be mainly experimental and focused in the area of fluid-structure interaction with application to several engineering problems. Some of the topics that will be covered during the research include but are not limited to: *flow-induced vibrations of offshore structures; dynamics of offshore energy generation devices; new concepts for offshore energy generation; aero/hydrodynamics of offshore wind turbines; wake interactions between wind turbines; new designs of vertical axis wind turbines; fundamentals of fluid mechanics and bluff body wakes, development of optical measurement techniques for solids and fluids, etc...*

Fellowships are awarded each year by the Catalan Government under the program **Beatriu de Pinós**. You can check all the details [here](#). The work will be mainly experimental and will be carried out at the department facilities, including two wind tunnels and a water channel. There is also the possibility to use and develop CFD and FEM prediction tools.

CANDIDATES: Successful candidates must hold a PhD degree in Engineering, in the areas of Mechanical, Industrial, Aeronautical, Naval or Civil Engineering, with:

- A minimum of two years of postdoctoral experience outside Spain.
- At least one original publication in journals or publishers of reference in their field of knowledge as a first author or co-author at the moment of the call deadline.
- Not have resided or carried out their main activity in Spain for more than 12 months in the last two years prior to the deadline for proposal submission.

APPLICATION PROCEDURE: Interested candidates should send the following documents, in English or Spanish, to Francisco J Huera-Huarte (francisco.huera@urv.cat). The application procedure can be found in:

- Complete CV (with photography)
- Application form (fill only sections 1, 3 and 4) – [download it here](#)
- Name and contact details of 2 academic referees.

The **deadline** is the 30th of September 2013, but it is required that you send me all the documents before the **23rd of September 2013** so the proposal can be prepared carefully with time. To avoid problems with the Spam filters, include in the **SUBJECT OF THE EMAIL** the following: **Beatriu de Pinos 2013 fellowships**, otherwise application might not be processed.

Full details of the call and the complete application procedure appears in [AGAUR website](#).