Bizkaia talent

Company Description

BCAM is the Research Center on Applied Mathematics created with the support of the Basque Government and the University of the Basque Country, which aims to strengthen the Basque science and technology system, by performing interdisciplinary research in the frontiers of mathematics, talented scientists' training and attraction, so the excellence of our results are recognized by the Society.

Information

- Deadline: 2022-01-07
- Category: Academia
- Province: Bizkaia
- Country: Basque Country
- City: Bilbao

Company

BCAM

(bcam) basque center for applied mathematics

Main functions, requisites & benefits

Main functions

This work is framed in IA4TES – Inteligencia Artifical para la Transición Energética Sostenible project. This offer, in particular, is to work in Computational Mathematics area, where Deep Learning, Data-Driven Computing, Partial Differential Equations, Inverse Problems, Offshore Wind Energy topics will be worked. PI in charge: Vincenzo Nava, David Pardo

Requisites

Applicants must have their PhD completed before the contract starts. PhD in Mathematics and/or Civil, Mechanical, Industrial, Offshore Engineering or similar areas. Skills: Good interpersonal skills. A proven track record in quality research, as evidenced by research publications in top scientific journals and conferences. Demonstrated ability to work independently and as part of a collaborative research team. Ability to present and publish research outcomes in spoken (talks) and written (papers) form. Ability to effectively communicate and present research ideas to researchers and stakeholders with different backgrounds. Fluency in spoken and written English Scientific profile: Strong background in the numerical solution of Partial Differential Equations and/or Deep Learning techniques. Background in Inverse Problems. Experience in treatment of long time series. Experience in simulation of long time series. Experience in modelling Failure Modes and Effects Analysis (FMEA) for components / subsystems / systems. Good programming skills in Python and preferably, also Tensorflow. Interest and disposition to work in interdisciplinary groups. The candidate would preferably be in possess of: Experience in the sector of offshore wind energy, or offshore oil and gas, or structures in offshore environment

Benefits

The gross annual salary of the Fellowship will be 28.000 - 32.000€. It will then be on your own responsibility to make your yearly income declaration at the Bizkaia Treasury Agency. Free access to the Public Health System in Spain is provided to all employees. Contract and offer: 1 year + 1 year (based on performance evaluation).