

## 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



## Main functions, requisites & benefits

### Main functions

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

### Requisites

Applicants must have their Bachelor's or Master degree preferable in Physics, Mathematics, Civil/Mechanical/industrial Engineering, or related fields. Possess of PhD in the fields will be positively considered in the evaluation. Skills and track-record: 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: Background in inverse problems. Background in reliability modelling applied to structural mechanics. Experience in treatment and simulation of time series. Good programming skills in Python and R. Interest and disposition to work in interdisciplinary groups.

### Benefits

The gross annual salary of the Fellowship will be 18.000€ - 26.000€. 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).