

## 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: 2021-12-24  
 Category: Academia  
 Province: Bizkaia

 Country: Basque Country  
 City: Bilbao

## Company

BCAM



## Main functions, requisites & benefits

### Main functions

This work is framed in ELKARTEK ExpertIA project. This offer, in particular, is to work in CFD Modeling and Simulation group, where Computational Fluid Dynamics, Reduced Order Methods, Surrogated Models, Finite Elements, Finite Volumes topics will be worked. PI in charge: Vincenzo Nava

### 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: 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 Computational Fluid Dynamics. Background in Finite Element and Finite Volume methods. Background in Reduced Order Models (ROMs) and surrogated models. Good programming skills (bash, C++, Python ...) Knowledge of Linux OS. Interest and disposition to work in interdisciplinary groups. The candidate would preferably be in possession of: Experience of using OpenFOAM

### 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