

Company Description

Fundación Deusto, University of Deusto, Bilbao, Basque Country, Spain.

Information

Deadline: 2021-02-20
Category: Academia
Province: Bizkaia

Country: Basque Country
City: Bilbao

Company

Universidad de Deusto



Main functions, requisites & benefits

Main functions

The European Research Council (ERC) Advanced Grant "DYCON – Dynamic Control", coordinated by Enrique Zuazua at DeustoTech (University of Deusto, Bilbao – Basque Country – Spain), aims to develop a multifold research agenda in the broad area of Control of Partial Differential Equations (PDE) and their numerical approximation methods to contribute with new key theoretical methods and results, and to develop the corresponding computational software. This project identifies six key topics: Control of parameter dependent problems. Long finite time horizon control. Control under constraints. Inverse design of time-irreversible models. Memory models and hybrid PDE/ODE models. The links between finite and infinite-dimensional dynamical systems. Job Description: The chosen postdoc researcher will carry out mathematical and/or computational research, with excellent facilities and world-wide academic and industrial-technological network, in Fundación Deusto (Bilbao – Basque Country – Spain) in some of the priority lines of the project, that will be identified accordingly to the candidate's profile. Main Research Field: Partial Differential Equations. Control Systems. Numerical Analysis. Scientific Computing.

Requisites

PhD Thesis in Mathematics, Physics, Informatics, Engineering or closely related areas, with emphasis on Partial Differential Equations, Control theory, Numerical Analysis and/or Scientific Computing. Able to work in a highly motivated environment. Strong team working & communication skills. Good written English skills. Driven, independent personality.

Benefits

The chosen postdoc researcher will carry out mathematical and/or computational research on some of the main scientific priorities of DYCON in a multidisciplinary and international environment with excellent facilities. Estimated period: 12 months from March 2021 (or earlier if availability allows). Deadline: 5 february 2021 Campus: Bilbao The Chair of Computational Mathematics pursues an active policy for gender equal opportunities.