Company Description

The University of Deusto was founded in 1886 by the Society of Jesus. With campuses in Bilbao and San Sebastian and branches in Vitoria and Madrid, its hallmarks are education in skills and values, thanks to its own socially recognised teaching model. It is also characterised by its specialist research , its commitment to justice and international outreach. Application: The University of Deusto carries out this call within the framework of "General call for Grants allocated to research projects or groups to pursue Doctoral Studies." For more information on this call, please click on the following link Please complete the following two steps: The online application form. Register at the Deusto Career opportunities website (click on the blue "register" button). Application Documentation. Applicants should provide the following information: Application CCovering Letter: Brief description of the topic and results of your Master thesis. Brief description of your previous research activities (if applicable). Explanation of how your expertise relates to the research topics of the ERC CoDeFeL. Description of your expectations from the doctoral position in our research group. Curriculum Vitae (Including a list of publications and preprints (if any). Reference Information: List of 2-3 professors (with contact information) who can provide a reference letter, explaining your connection to them. No recommendation letters are

Information

Deadline: 2025-01-15
Category: Academia
Province: Bizkaia

Country: Basque Country
City: Bilbao

Company

Universidad de Deusto

Main functions, requisites & benefits

Main functions

General call for Grants allocated to research projects or groups to pursue Doctoral Studies: RESEARCH GROUP, Chair of Computational Mathematics, DeustoTech, at the University of Deusto. The University of Deusto in the ERC Advanced Grant CoDeFeL project framework invites applications for one (01) open doctoral research position at the ERC CoDeFeL, Control for Deep and Federated Learning project. Purpose of the Position: The Chair of Computational Mathematics at University of Deusto (Bilbao, Basque Country, Spain), is dedicated to advancing research, training, and outreach in various aspects of Applied Mathematics. Our team works actively in the broad area of Applied Mathematics and Machine Learning, developing and applying methods of Mathematical and Computational Mathematics to model, understand, design and control the dynamics of various phenomena arising in the interface of Mathematics with Engineering, Physics, Environment and Climate Sciences and Social Sciences. In particular, CoDeFeL seeks to make a breakthrough that takes the mathematical foundations of Machine Learning beyond their present frontiers, through the systematic development of new ideas and methods inspired by control theory. The project is developed by the "Chair for Dynamics, Control, Machine Learning, and Numerics" – Alexander von Humboldt Professorship in cooperation with the Chair of Computational Mathematics of the University of Deusto in Bilbao, Basque Country, Spain led by Enrique Zuazua. Functions: We are looking for a Doctoral Researcher specialized in Control and/or Mathematics and /or Machine Learning and knowledge in Partial Differential Equations and Numerical Analysis as well as computational skills to develop computational coding. The candidate is expected to be able to structure and address the research challenges of the ERC CoDeFeL project and collaborate and work effectively with internal and external teams within the project framework. Depending on experience, the candidate should be able to work both independently and collaboratively in an international and interdisciplinary environment. Title of the Project to be incorporated: ERC CoDeFeL, Control for Deep and Federated Learning project. GA 101096251. PI and/or Project Manager: Professor Enrique Zuazua Funding Entity: European Research Council (ERC).

Requisites

A Degree and Master in Applied Mathematics and/or Machine Learning. Advanced knowledge in scientific programming (R, Python, Matlab). Excellent knowledge of English (oral/written) is compulsory to the job profile and tasks development.

Benefits

Endowment of the Contract: Competitive Economic Conditions to be specified. The University of Deusto supports the inclusion of people with disabilities. It therefore encourages this condition to be indicated in applications in the case of having a certificate of disability equal to or greater than 33%.