Company Description

Information

📅 Deadline: 2020-03-27
🏛 Category: Academia
🚩 Province: Bizkaia

🌍 Country: Basque Country
🏙 City: Bilbao

Company

Universidad de Deusto

Deusto

Main functions, requisites & benefits

Main functions

We seek talented, dynamic, and motivated scientists in the area of Artificial Intelligence to participate in European research projects. The positions are directed to young postdoctoral researchers and we are intended to offer up to five years fellowships. A competitive salary will be offered based on the experience of the selected candidates. The position will be based at the Deusto Institute of Technology -DeustoTech- (http://deustotech.deusto.es/) located in Bilbao (Spain), a Research Institute of the Faculty of Engineering at the University of Deusto. The postdoc to be hired will develop knowledge modelling tools and artificial intelligence techniques, integrating the entire value chain, from the design of systems for information gathering, the development of mathematical models, the design of optimization and control systems, as well as simulation, monitoring and evaluation of strategies in real environments. Research Projects The postdocs will be integrated into a highly qualified team with extensive experience in the field of information technology through the active participation on any of the new European projects which deals with: - Positive energy districts (PEDs) in Amsterdam and Bilbao that together save 1,7 kton of CO_2 emissions, demonstrate the integrated smart urban (technical, financial, legal, social) solutions that support the deployment of PEDs, and support the replication of these solutions in fellow cities. - The development of a decision support system for improved resource efficiency, smart nutrient, irrigation & climate control, and integrated pest management in intensive horticultural systems, combined with the use of biological agro-ecological technologies that will be validated in operational environment freshwater aquaponics systems. - Delivering an innovative "control tower" approach, allowing dynamic planning and ensuring operative optimisation through a fluent relationship between urban planners, urban freight logistics players and citizen engagement. - Addressing the causality ladder to understand and project the energy demand of the residential sector. WHY will contribute to a holistic understanding of household energy consumption and improved demand modelling. For more information on the projects in which DeustoTech is currently participating, visit https://deustotech.deusto.es/proyectos

Requisites

Candidates who want to apply for this vacancy should have a PhD degree on Computer Science, Mathematics, Information and Communication Technologies or equivalent. The ability to work in a self-propelled manner in large interdisciplinary and international teams. Availability to travel worldwide. A strong research track record and demonstrated expertise in the theory and/or applications of artificial intelligence, machine/deep learning and data mining techniques. A strong interest in translating new data science solutions to industry-grade applications. Excellent interdisciplinary English communication skills, you are quality-oriented and creative, and eager to emerge in new domains. Proven experience working in EU projects is a plus.