

## Company Description

University of Deusto, Faculty of Engineering.

## Information

 Deadline: 2021-08-21  
 Category: Academia  
 Province: Bizkaia

 Country: Basque Country  
 City: Bilbao

## Company

Universidad de Deusto



## Main functions, requisites & benefits

### Main functions

The candidate would be integrated in a highly multidisciplinary Research Group. As such it is of utter importance the communication skills and their ability to understand the different perspectives that the research topic has. Moreover, experience in one or more of the following fields is needed: Gamification and persuasion for designing behaviour change interventions. Knowledge modelling and exploitation. Crowdsourcing techniques - user-generated data verification and processing. Recommender systems and conversational agents. This position aims to explore the ample potential of smart solutions and environments grounded on the extensive usage of data and analytics mediated by the collaboration of machines and humans. Departing from the "V", i.e. Variety attribute of Big Data field, we are interested in bringing together structured and non-structured data from heterogeneous sources, namely personal sensing devices, IoT sensor networks, Open Government Data, user-generated data through apps or social networks and even private data. The research position should face the challenge of how to make sense out of data, progressing from data into knowledge, through the collaboration of people and machines. Hence, we are seeking a Data Scientist with expertise and interest in Hybrid Intelligence (HI), which is an approach for combining human and machine intelligence for decision making and data interpretation. This approach benefits from the human ability to express and deal with complexities and the automation, availability, and accuracy that machines provide. Our main application domain has historically been the assembly of Smart Environments that collaborate with users to enhance their daily activities. We are interested in exploring the interception of the following research areas to give place to next generation Smart Environments: Human Computation: is about involving citizens to annotate the world or correct/validate inferences performed by machines, gamification can be used to improve and validate the results driven by machines. Knowledge modelling and exploitation: human and machine-driven knowledge can be effectively merged and represented in a Knowledge Graph, combining data gathered from machine learning and human contributions. Knowledge in such structures can then be easily exploited to infer new knowledge or build recommenders. Objectives: To publish in high impact journals (WoS). To work in competitive projects (Basque Government, Mineco, Horizon...). To submit competitive research proposals.

### Requisites

Researcher Profile: Experience publishing in WoS. Advanced level of English. Other valuable Aspects: Experience applying to H2020 and/or FP7 projects. Experience directing doctoral theses.

### Benefits

Duration: Contracts granted under this call will be full time and will have a duration of 2 years. Amount and Terms of Payment: An allocation of 29,970 - 38,530 gross euros per year will be granted, distributed into 15 monthly instalments, depending on the candidate's experience. Expected Date of Incorporation: November 1st 2021. Terms. The contract with the University of Deusto will fall under the "associate researcher" category.