

Company Description

At TECNALIA we drive sustainable growth and tackle humanity's greatest technological challenges by transforming them into opportunities. We help society and companies to grow through technological innovations. We are committed to equality, diversity and promoting work-life balance. You will work in a highly qualified team of technological excellence in an international and multidisciplinary environment. At TECNALIA we are looking for a person to lead the Group in Visual Technologies: Computer Vision and Extended Reality. We are looking for professionals with a passion for researching and applying their knowledge in imaging technologies with the ability to lead the Visual team and take it to its maximum potential at TECNALIA.

Information

 Deadline: 2022-10-29
 Category: Business
 Province: Bizkaia
  Country: Basque Country
 City: Derio

Company

Tecnalia Research and Innovation



Main functions, requisites & benefits

Main functions

What you will do: You will lead a highly motivated and highly specialised team in Computer Vision, Mixed Reality and Virtual Reality technologies. The team works solving challenges and problems based on challenges posed by companies from different sectors and domains of activity (industry, mobility, energy, construction, health, ICT). You will define the strategy of the different lines within the Visual team, in close relationship with the Technology Management and collaborating with the network of collaborating institutions: universities, technology centres, entrepreneurs and companies. We are a benchmark technology centre in contracting, participation and leadership of European research projects and, likewise, we work in direct relationship with industrial agents in the different sectors where we can add value, such as, for example, the IT industry, the industrial sector, energy, health, public sector, etc. If you are the person selected: You will lead the technological strategy of the team aligned with TECNALIA's work sectors (Industry, energy and construction) with a special focus on the health sector. You will participate in the generation of new business opportunities, collaborating in the definition of proposals and offers to respond to the challenges posed by our clients. You will lead R&D proposals and projects at national and international level with a multidisciplinary team of reference in Europe for the deployment of the strategy. You will lead and expand the scientific and technical capabilities of the team. You will promote the extension of the network of client partners at regional, national and international level. Coordinate the activities of the team. You will participate in workshops and scientific publications and in national and international reference congresses.

Requisites

(It is not essential to have experience in all fields, the balance between versatility and specialisation will be valued). Qualifications: PhD in Computer Engineering, Physical Sciences or Mathematics, Industrial Engineering, Telecommunications, or related degrees. Minimum experience: Proven knowledge and experience of at least 5 years in R&D&I projects in the field of imaging and/or XR technologies. Experience in managing research and development teams. Interpersonal skills, ability to work in a multidisciplinary environment and teamwork spirit. Ability to interact with clients and collaborators. Goal-oriented and self-sufficient working style (leadership skills, proactivity, critical analysis skills and the ability to work both autonomously and as part of a team). Experience in R&D proposal preparation. Experience in critical analysis and implementation of scientific publications. Technical expertise in at least one of the two Core areas of activity (Computer Vision and Extended Reality). Experience in both or in their intersection will be particularly valued. Specifically: Computer Vision: Development of Machine Learning solutions and, especially, Deep Learning (Pytorch/Tensorflow) for image understanding problems. 3D vision (analysis/reconstruction) using classical vision (multiple-view geometry) and deep learning. Computer Vision for medical imaging Extended Reality: Unity3D, including extensive experience with everything to do with Scripting (C#), and also of interest generic modules such as profiling, animation, UI and networking. XR frameworks and libraries such as ARFoundation, Arcore, Arkit, MRTK, Vuforia, EasyAR, etc. High level APIs such as WebXR and OpenXR. Programming languages: advanced knowledge of Python and its ML stack (Pandas, sklearn, etc.). C/C++/C# will be an asset.