




Company Description

Tecnalia Corporation has been set up as a multidisciplinary Technology Corporation, of a private and independent nature, with the mission to contribute value and wealth to the society in general, and to the business base in particular, through research, technological development and innovation in an international context. The Corporation offers the people comprising it a framework for competence and professional development by generating opportunities for their professional future. Shared knowledge, making use of the potential and diversity of an eminently creative, innovative, and professional group are the principles underpinning our culture and values.

Information

 **Deadline:** 2019-06-30
 **Category:** Business
 **Province:** Gipuzkoa

 **Country:** Basque Country
 **City:** Donostia - San Sebastián

Company

Tecnalia Research and Innovation

tecnalia

Main functions, requisites & benefits

Main functions

The Advanced Manufacturing business unit (which belongs to the Industry and Transport division), works in 3 main research topics in the field of Robotics (<http://tecnalia.com/robotics>): 1. Design and prototyping of innovative robots, as a product for Industry, such as: 2. Ways to increase Robot Autonomy for Flexible Manufacturing, through: Parallel Kinematics Robots Cable Based Robots Mobile Robots and Autonomous Navigation Development of versatile robotics (advanced control, vision-based guiding, 3D vision parts detection...) Dual arm robotics Collaborative robotics 3. Robots for Industrial processes automation, mainly focusing on: Automation Welding and Joining/ Components Assembly Online inspection and quality control Do you want to join a young, dynamic and motivated team? Are you ready to be a referent in the "Computer Vision" group applied to the Automation and Robotics? We are looking for a person with previous experience in the R&D field, that can lead the development and implementation of COMPUTER VISION systems that will be used in advanced robotic and automation systems. This means working mainly (but not only) in projects involving advanced manipulation, vision based guiding, collaborative robotics, etc. This person will have a relevant role in the identification of new business opportunities, client needs, preparation of European proposals, as well as in the resolution of the technology solutions and offer elaboration, in the automation and robotics field for advanced manufacturing. The selected person will be responsible of the excellence of the implemented project, from a technology, deadline and cost point of view.

Requisites

What are we looking for? Detail-oriented and resolute person, self-starter and team player; with good organization and time-management skills, which is willing to develop computer vision based solutions for advanced automation and robotics, in the industrial field: integrating robots (vision, mechatronics, real time...) and automation systems, deploying solutions until the validation in industrial environments. Work experience in the development of 2D/3D vision systems, communication skills (spoken and written) and being capable of working in different languages will be essential. Industrial Engineering, electronics, automation, software engineering or similar. Work experience: over 5 years in R&D related to Computer Vision in the field of automation and/or robotics. Languages: English and Spanish. Knowledge in programming (C/C++, Python, Continuous Integration) and robotics software (ROS, OpenCV, PCL...) Ability to understand and analyze scientific publications and patents. Work experience in industrial projects, with clear requirements in deadlines and resources. Work experience in the preparation of proposals for R&D. Availability to travel. Flexibility, autonomy and commitment to team work. Will also be positively valued: Experience with software/environment of development for 3D vision (e.g.: Halcon) Experience in robotics software, such as, Delmia, Kuka, Fanuc, Abb... Experience in mechatronics design Participation in collaborative projects, such as European projects Master's degree and/or Doctorate in automation, robotics or similar We will value positively Euskera and French. Experimental experience of 3D vision in robotics. Knowledge in modelling and robot calibration. We will value positively applications of people with a certificate of disability equal to or greater than 33%, in compliance with current legislation: the General Law on the Rights of Persons with Disabilities and their social inclusion (L.G.D.)