SENIOR RESEARCHER IN 3D CITY MODELLING AND TECHNOLOGIES

Bizkaia talent

Company Description

Tecnalia Corporation has been set up as a multidisciplinary Tecnology 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 developmpS 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: 2019-05-31
- Category: Business
- Province: Bizkaia
- Country: Basque Country
- City: Parque Tecnologico de Bizkaia (Derio)

Company

Tecnalia Research and Innovation

tecnalia

Main functions, requisites & benefits

Main functions

In Tecnalia, in the "Virtual Built Environment" team, within the Building Technologies Division , we work in the R & D of 3D city modeling technologies and in the development of innovative solutions within intelligent cities and buildings (Smart Cities). This team focuses on the research in the technologies and the models of 3D geospatial representation (mainly BIM and CityGML) and interoperability, for the development of applications based on 3D models and web 3D visualization platforms (like CesiumJS or Three.js), for different areas: energy, mobility, acoustics, tourism, etc. TECNALIA is a private technological centre that is leader in participation and leadership in European research projects (H2020 and FP7 programmes). In TECNALIA, we also work directly with the industrial agents of the construction sector. The selected person will participate in R &D projects at national and international level. She/he will strengthen and extend the technical capabilities of the team, contribute to the development of the research program, coordinate R &D projects and promote collaborations with other groups at international level.

Requisites

Master in Computer Engineering or similar (telecommunications, industrial engineering...). A PhD in a field related to the information technologies for buildings and smart cities, will be an asset.
Consolidated experience in participation and coordination of R & D projects related to urban 3D technologies and models.
Programming skills, preferably in web environments (JavaScript/JAVA/HTML/CSS).
Presence in international forums in the field of information technology for intelligent buildings and cities.
Languages: High level of English and Spanish spoken and written.
Others:
We are looking for a proactive, independent person, with a "can-do attitude", the ability to plan, organize and work as a team and to analyse with a clear focus on results. Likewise, the candidate should be creative, responsible and open to new challenges.

It will be valued:
publications and participation in high impact Congresses in the field of information technology for buildings and smart cities.
Programming skills with tools of energy simulation, acoustics, structural, etc.
knowledge and experience in technologies and tools based on geographic information systems (GIS)

Benefits

If you are a proactive, committed team-player with the ability to work independently and motivated to work in an applied research