

## **JOB VACANCY**

---

**REF: I01**

### **KNOWLEDGE ENGINEER**

We're looking for a Computer Engineer or a Graduate in Mathematics (preferential options), or another superior graduate with a significant experience in Artificial Intelligence technical applications, inside the discipline of systems based on the knowledge (knowledge engineering), and intelligent data analysis that will work in a research line focused in the detection and Monitorization of intelligent systems, prediction and diagnosis in industrial systems and advanced production means.

#### ***Qualifications:***

- B. Sc. in computers engineering (preferential option)
- B. Sc. in mathematics (preferential option)
- B. Sc. in Physics

#### ***Minimum Experience Required:***

- Experience in the design and implementation of knowledge models (about different intelligent Technologies) and ontology definition depending on a concrete scope.  
*(Senior: 6 years; Junior: 2 years)*
- Experience in design and software generation for the intelligent data analysis (data-mining) and implicit in great data volume with the main techniques used.  
*(Senior: 6 years; Junior: 2 years)*
- Experience in design and intelligent system generation for the knowledge (KBS, CBR...), and reasoning associated knowledge techniques to implement diagnosis systems and give support to the decision.  
*(Senior: 6 years; Junior: 2 years)*
- Experience in the design and/or in the software development knowing how to use the Software Engineering tools (CASE) in different languages and development platforms: C/C++, C#, Java,...  
*(2 years)*

#### ***Additional Experience Required:***

- Participation in research projects with public funding, both at a European level (Framework Programme - European Commission) or at a national and Basque Government.
- Knowledge of the public funding tools of research projects and their potential application in each case, both at a European, national or Basque Government.
- Experience in elaboration of proposals for research projects and justifications for such projects, for different tools mentioned above.

***Desired knowledge:***

- Application knowledge of Artificial Intelligence techniques: KBS (Knowledge based systems, rule based), CBR (Case Based Reasoning), ontologies and descriptive logic, data-mining, neuronal nets, intelligent agents, automatic learning (Machine Learning), fuzzy...

***Languages:***

- Fluent English, spoken and written.