

people program postdoctoral fellowship

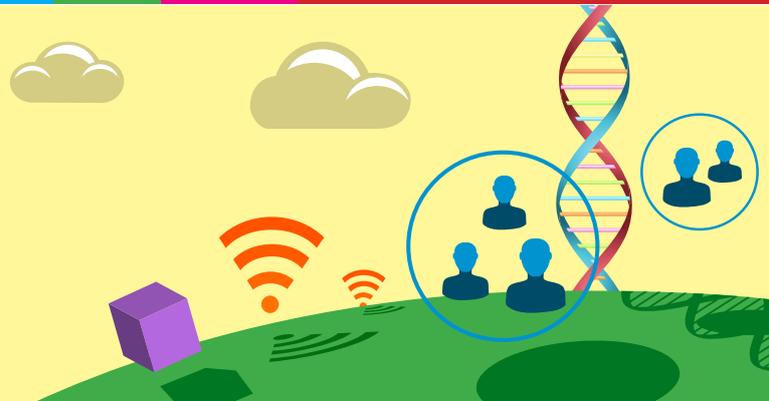


BISITE Research Group
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Who are we looking for?

If you just finished your PhD and have a strong research CV with numerous quality publications, grants, awards and so on... **This is your opportunity!!**

We would like to offer you the possibility of joining a multidisciplinary and inter-university research group where you can develop your research career in one of the following lines:



- **Artificial Intelligence and Computer Science (IA)** - Development of artificial intelligence systems that integrate different technologies such as multi-agent systems, intelligent agents, case-based reasoning system, plan based reasoning system, deliberative reasoning systems, artificial neural networks, genetic algorithms, etc.
- **Ambient Intelligence (Aml)** - Development and implementation of systems based on Ambient Intelligence (Ambient Intelligence) and related areas, such as Ambient Assisted Living, eHealth and eInclusion, among others.
- **Distributed Computing** - Distributed Artificial Intelligence integrates concepts from two fields of study: Artificial Intelligence and Distributed Systems. The Artificial Intelligence (AI) field seeks to understand intelligent entities. The Distributed Systems field studies the properties of sets of autonomous entities that do not share memory but cooperate through communication by sending messages on a communication network.
- **Smart Energy** - Intelligent system for lighting control, energy efficiency in smart buildings, security in electricity distribution networks, energy simulation, optimization methods for energy expenditure.

<http://bisite.usal.es/en>



UNIVERSIDAD
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CAMPUS OF INTERNATIONAL EXCELLENCE

Fellowship outline

Researchers of any nationality can be apply for one of these fellowship depending on their country of origin:

- **Researchers from Europe (EU27 + associated countries) (EU27 + associated countries):**
Intra-European Fellowships for Career Development (IEF)
- **Researchers from outside Europe (America, Asian, Australia, Africa, etc.):**
International Incoming Fellowships (IIF)

The fellowships lasts between 12 and 24 months.

Economic conditions

The funding covers (A) salary, (B) mobility allowance, (C) research expenses, and (D) indirect costs during the duration of the fellowship:

- A. Gross salary is contingent on proven experience:**
~ 57.000€/year - ~ 85.000€/year
- B. Mobility allowance is contingent on family obligations:**
~ 700€/month - ~1.000€/month
- C. Other research expenses:** 800€/month

Researcher's allowance = A+B +C

Moreover, indirect costs (D) are funded by the fellowship (~700 €/month) to cover overheads.

BISITE Research Group

The BISITE research group conducts research activities that encourage the development and application of intelligent computer systems to solve problems in different fields. Thanks to the cooperation of its various members BISITE has made important technological developments through the application of innovative technologies

Salamanca, Spain

Salamanca is the quintessential university city, internationally renowned for its artistic richness: cathedrals, palaces, churches... for the varied artistic styles of its monuments, including romanesque, gothic, plateresque and barroque. Situated on the banks of the river Tormes, It currently has a population of 159.000.

Tags

Artificial Intelligence (IA)
Ambient Intelligence (Aml)
Case-Based Reasoning Systems (CBR)
Educational Technology
Multiagent Systems (MAS)
Mobile Networks and Wireless Sensor Networks
Analysis and Design Tools
Distributed Artificial Intelligence (IAD)
Bioinformatics: Analysis and Classification of Microarrays
Web 3D and Digital Animation
Information Security and Applications in Web Services and Databases
Cloud Computing

The group is already working on projects where you can participate:

The group is collaborating in the international project "Intelligent Management Architecture for Smart Grid: Security And Load Balance". The main objective of the project is to design and develop a secure distributed architecture for intelligent networks (Smart Grids), which includes a dynamic intelligent and efficient configuration for energy networks. The architecture is specifically designed to provide high fault tolerance in the network, reducing the risk of failure to provide services, and the prevention of malicious attacks.

Another international project in which the group is involved is the "An All-in-One building automation and indoor locating platform". The main objective of this project consists of the design and development of a new and innovative multi-agent platform based on virtual organizations that will manage heterogeneous wireless sensor networks and multiple technologies (e.g., Wi-Fi, Bluetooth, ZigBee, GPS, GPRS, etc.) and easily deploy real-time locating systems for indoor environments.

Other projects fall within the framework of the Intelligent Social Computation for Human-Agent Societies Project: iHAS intends to answer such questions as: What things are necessary to know and design in order for humans to interact with software agents? and How should these interactions be formalized and structured so that they obtain software products that are effective in this type of environment? The project is intended to be a continuation of the OVAMAH project: Adaptive Virtual Organizations: Mechanisms, Architectures and Tools, and more specifically of the Adaptive Virtual Organizations: Deliberation, Simulation and Tools project.

The Cloud Computing paradigm is a topic recently investigated within the group. In that sense, we are working in two project Cloud-IO and Smartmedical that are focused in apply the advantages of this new computational in diferents sector such as medicine, security, etc. The group is also working in the application of multiagent systems in the internal management of cloud system in order to provide elasticity, security, reliability, efficiency, improve in the user interfaces, SLA, etc.

APPLY

Send your CV to bisite@usal.es and let us know your specialty and how would you be interested in working with us

The University will evaluate all candidates to select those best suited to apply for a Marie Curie Fellowship

EVALUATION

PREPARE PROPOSAL

If you are selected, we will assist you in determining your proposal and help you to prepare the proposal so you can start enjoying the fellowship

