Perfil de plaza de PostDoc en CeSViMa:

Madrid, Spain.
Open Position: Researcher

CeSViMa - UPM

CeSViMa is the Center for Supercomputation an Visualization of Madrid (*Centro de Supercomputación and Visualización de Madrid*, www.cesvima.upm.es). It currently hosts one of the fastest research computers in Spain. The center belongs to the Technical University of Madrid (*Universidad Politécnica de Madrid*, www.upm.es) and is located in a new Campus, recently awarded the recognition as a Campus of International Excellence (http://www.upm.es/CEI_Montegancedo/index.html). It was created in 2005 as a support center for High Performance Computing and, in 2008, became founding member of the Spanish Supercomputing Network. The center serves over 30 million CPU hours per year, hosting one of the largest HPC facilities in Spain. It hosts well over 100 projects and also participates in big and long term research projects like the Blue Brain Project. The center has taken delivery of the fastest research computer in the country and is increasing its presence in applied HPC for research and industrial purposes.

Who we're seeking

We seek engineers and scientists experienced in applying High Performance Computing to engineering or science problems and with the capability to establish themselves as leaders in the area. We are also interested in having Computer Science and related areas graduate students to work with us. We value the track of the candidates and look for merits in their publications and accomplished projects. Technical skills must complete a deep understanding of the technology and application area. The candidate will be part of an active research group and will lead existing and new projects as well as other researchers and PhD candidates. We give strong weight to degrees in computer science and related fields. We choose candidates with a resourceful spirit, able to work in a team and that can move forward fast. Should you join us, you'll be working with people like yourself, advancing the state of the art and pushing the boundaries of computer science.

Position Description

CeSViMa is currently seeking for a postdoc to join the center. In this position you will have the opportunity to collaborate with the existing team in new and exciting projects related to life sciences (bioinformatics and neuroscience). It is also an opportunity to interact with the broad range of users of the center with interests ranging from climate research to quantum mechanics, photonics, semiconductors, etc. You will have also the freedom to establish a new research area in the center. This is a great opportunity for a rewarding career in applied high performance computing research and development

Qualifications

The ideal candidate will have a Ph.D in computer science or related areas (electrical engineering, mathematics, physics) and experience with HPC environments, computers and its applications. We are seeking a candidate with a well-rounded background in HPC and expertise in its application to one or several areas. Core areas

in which we are interested are, bioinformatics, computational biology, genomics/proteomics, computation for industry, computation in basic sciences (e.g. physics, chemistry…), and neuroscience. A demonstrated track in applying HPC for industrial purposes will be appreciated. We will value individuals with good communication skills, strong intellectual curiosity, a desire to learn outside one's field of expertise, and the capability to work in a multidisciplinary team. Good knowledge of associated systems like those from visualization or large databases will be appreciated.

How to apply

The form for apply to this call can be downloaded from:
http://www.upm.es/sfs/Rectorado/Vicerrectorado%20de%20Investigacion/Servicio%20de%20Investigacion/Ayudas_y_Convocatorias/Convocatorias_Propias/JC022011English.docx