

Three years position

IT researcher in materials data science and workflows

Fields: Data science, materials data analysis, high performance computing.

Project description:

As part of the French national DIADEM project (accelerating the discovery of materials using AI), we are looking for an engineer or researcher specialising in data science to work on the development of a materials database infrastructure for simulation (interatomic potentials) or experimental purposes. The aim is to make scalable and accessible databases available to the French materials science community, and to use them for AI applications about data analysis and simulation. This work will be carried out in close collaboration with the CEA LIST and the universities of Grenoble and Lyon.

Profile and qualifications:

The candidate must have training in computer science with knowledge of physics or training in materials with a strong component in computer science, particularly in data science. Good communication skills in English and the ability to work in a research team are required.

How to Apply:

Interested candidates should send a short motivation letter, and a CV to Thierry Deutsch (head of MEM, thierry.deutsch@cea.fr) and Nicolas Vigano (CEA Researcher, nicola.vigano@cea.fr)

Scientific environment and workplace:

The successful candidate will join the research team of the Interdisciplinary Research Institute of Grenoble (IRIG) working at the Materials Exploration Modeling (MEM) Laboratory.

Located in the French Alps and surrounded by a stunning natural environment, the international city of Grenoble represents an extremely rich ecosystem formed by public research organizations (CEA, CNRS, ESRF, ILL) and high-tech companies. In addition, the Université Grenoble Alpes attracts a large number of students who can benefit from high-level academic training in a broad range of disciplines.

The candidate will play an active role in the national DIADEM and NUMPEX projects (digital stack for exascale computers), as part of this, he/she will take part in various meetings with the largest French computer science laboratories.

More information about the scientific environment and the research group about

- the MEM laboratory <https://www.mem-lab.fr/en>
- the IRIG institute: <http://irig.cea.fr/>
- the NUMPEX project: <https://numpex.org/>.