



IMT Mines Alès
École Mines-Télécom

SCIENCE & CREATIVITY TO INVENT A SUSTAINABLE WORLD

**We are
HIRING**

AI System and Infrastructure Engineer

Institution	IMT Mines Alès (National School of Mines of Alès)
Main assignment	Centre for Teaching and Research in Computer Science and Systems (CERIS)
Administrative residence	Alès (Gard department – Occitanie region)
Type of contract	30-month fixed-term contract (CDD) – Public Law Contract – Full-time
Start date	01/09/2026

1 Presentation of our institution, CERIS, and the MACMIA project

1.1 The Institut Mines-Télécom

The Institut Mines-Télécom (IMT) is a public scientific, cultural, and professional institution under the primary supervision of the ministers responsible for industry and digital technology. This leading group of engineering schools in France brings together 11 public engineering schools across the country, which train 13,500 engineers and PhDs annually. IMT employs 4,500 people and has an annual budget of €400 million, 40% of which comes from its own resources. IMT has two Carnot institutes, 35 industrial chairs, produces 2,100 A-rank publications and 60 patents annually, and carries out €110 million worth of contract research.

1.2 IMT Mines Alès

Founded 180 years ago, **IMT Mines Alès** currently has 1,400 students (including 250 foreign students) and 380 staff. It has two campuses in Alès and also has sites in Montpellier and Pau. Its students are general engineers, specialist engineers (through apprenticeships), doctoral students, and master's or specialized master's students. The school has three high-level scientific and technological research centres, which are open in the fields of materials and civil engineering (C2MA), the environment and risks (CREER), and artificial intelligence and industrial / digital engineering (CERIS). IMT Mines Alès also supports economic development through programs that assist businesses and local communities.

At IMT Mines Alès, each person is a key player in our Sustainable Development and Social Responsibility (SDSR) approach. We are committed to promoting environmentally friendly practices, fostering diversity and inclusion, and ensuring ethics in our activities. We encourage all our employees to adopt a responsible approach in their daily actions and to propose innovative ideas that reinforce our positive impact on society and the environment.



1.3 Centre for Teaching and Research in Computer Science and Systems (CERIS)

CERIS is structured around two main areas of research. The first is the engineering of complex systems and organizations for high-risk activities, and the second is computer science and artificial intelligence. Two teaching departments are attached to it: CSAA for *Computer Science and Artificial Intelligence* and PRISM for *Industrial Performance and Mechatronic Systems*, as well as two technology platforms, AIHM for *Alès Imaging and Human Metrology* and PFM for *Mechatronics Platform*.

1.4 MACMIA project

MACMIA (Massification of Artificial Intelligence Skills and Jobs) is a project funded by the French government as part of the France 2030 recovery plan, led by the Institut Mines Télécom (IMT). Focusing on **Artificial Intelligence** it aims to co-develop, with academic partners (Esigelec, UTT, CMQE) and economic players (large companies, groups, OPCO, professional branches, etc.), **a range of training courses for technicians, engineers, dual-skilled managers, and researchers** in the field of "AI & Industry of the Future," as well as embedded AI and smart mobility, and AI & Health. The MACMIA consortium covers eight regions of metropolitan France, and these training modules can be adapted and **delivered in different locations and through various teaching methods**.

Given the **diversity of learner profiles** (students in initial training, continuing professional development, trainers, etc.) and their **learning contexts** (geographical location, availability, access to specific equipment, etc.), the range of variations in these training modules can be multifaceted and require personalized support for individuals to achieve a defined goal (professional target). To this end, the MACMIA project plans to use AI to serve AI, i.e. an **AI engine that recommends individualized training paths**. At the crossroads of research in recommendations, and particularly the integration of a priori expert knowledge (ontologies) into recommendations and machine learning (based on user traces), the design and development of this engine is an ambitious task.

Job description

The position is attached to the **Center for Education and Research in Computer Science and Systems (CERIS)** at IMT Mines Alès, in close connection with the "Digital" teaching department and the **CSAI** (Computer Science and Artificial Intelligence) specialization department of IMT Mines Alès.

As an **AI System and Infrastructure Engineer at CERIS**, your primary task will be the development and operation of a **computing server platform** equipped with GPU accelerators, dedicated to scientific computing and artificial intelligence applications **within the framework of AI training**.

You may also be required to contribute to **software installation and maintenance**, user **support**, **performance optimization**, and the **implementation of shared services** in coordination with the two other research engineers at the centre. Within the framework of the MACMIA project, close collaboration with the resource departments of other schools and project partners is also planned.

Main missions

- ▶ **Needs analysis** in collaboration with teachers and MACMIA project partners.
- ▶ **Development and operation** of the computing platform.
- ▶ **Deployment and support** of new and existing equipment in conjunction with CERIS research engineers, based on the needs of CERIS research work and MACMIA project experiments.
- ▶ **Evaluation and technology monitoring** regarding equipment evolution and AI field developments to make recommendations for equipment acquisition in compliance with public procurement constraints.
- ▶ **Teamwork** by participating in various meetings and monitoring committees with research personnel and MACMIA project partners.



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Required profile and general evaluation criteria

Your manager and the existing team will support you in developing your skills while valuing your experiences and talents. Beyond your degree, your personality will make the difference.



Minimum Required Education and/or Experience

- ▶ **Degree in Computer Engineering** or equivalent.

Required skills, knowledge, and experience:

- ▶ **System Skills:** Linux Administration (Ubuntu); management of the Cuda environment, Nvidia drivers, and GPU optimization; Jupyter Notebook; Bash; Docker, Kubernetes; Virtualization; User support.
- ▶ **Development Skills:** Python and libraries related to AI and data processing; knowledge of scientific computing using Tensorflow, Pytorch, or potentially Matlab and R.
- ▶ **Development Methods:** Agile methods and scientific project management; integration into the existing architecture.
- ▶ **User & Service Management:** User access and rights management; monitoring resource consumption; technical support for teachers, researchers, and students; implementation of best practices for resource utilization.
- ▶ **Infrastructure and Access Security:** System backup and monitoring; awareness of GDPR issues and data sovereignty; management of data flows and storage.

Skills, knowledge, and experience appreciated:

- ▶ **Collaborative work** in a multi-institutional context: the ability to document and popularize technical procedures.
- ▶ **Knowledge of cloud solutions:** executing computations on systems like AWS or other sovereign alternatives.
- ▶ A marked interest in AI challenges and an appetite for scientific research and teamwork.

Behavioural and interpersonal skills

- ▶ Dynamism
- ▶ Autonomy
- ▶ Commitment
- ▶ Multidisciplinary teamwork
- ▶ Ability to communicate effectively
- ▶ Strong motivation to contribute to innovative projects
- ▶ Rigorous and methodical
- ▶ Initiative
- ▶ Adaptability
- ▶ Organizational skills
- ▶ Ability to develop skills in new technologies

Application

Administrative application conditions

The position offered by IMT Mines Alès is a **30-month fixed-term contract (CDD), full-time**, under public law governed by the management framework of Institut Mines-Télécom, Job Group R (Research and Development Engineer), Category II.

The position will be located at IMT Mines Alès, though travel within the scope of the MACMIA project is to be expected.

- ▶ **Indicative Salary Range (excluding annual variable bonus):** €34,000 - €46,000 gross annual depending on profile and experience (reduced employee social security contributions in the public sector).



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Application procedure

Applications (CV and cover letter) must be submitted **exclusively** via:



<https://institutminestelem.com/o/ingenieure-systeme-et-infrastructure-ia-cdd-30-mois-imt-mines-ales>

The recruitment team will review your application carefully.



Recruitment Timeline

A selection committee composed of several people will interview you and ensure you are placed in the best possible conditions to succeed in this meeting.

- ▶ **Application Deadline: June 28, 2026**
- ▶ **Indicative Expected Committee/Interview: July 20, 2026**
- ▶ **Desired Start Date: September 1, 2026**



Contacts

If any elements of the application require further clarification, please feel free to contact the persons below.

Regarding the job content:

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Sylvie RANWEZ, Coordinator of the MACMIA training component and Head of the CSAI department

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Regarding administrative aspects:

Géraldine BRUNEL, Human Resources Director

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Job integration

A smooth onboarding for a successful integration

Upon your arrival, you will benefit from an integration period to guide you through discovering your missions and your working environment. You will be welcomed by your HR representative, who will guide you through all the necessary steps for a smooth start in your new role.