



Head of ICA-A Center

Professor of Structures, Systems and Mechanical Processes

Job environment:

School of the ministry in charge of industry, IMT Mines Albi is a school of the Institute Mines-Telecom (IMT), 1st group of engineering and management schools in France. At the forefront of industrial and academic issues on the international scene, it acts as a territorial scientific and economic engine by combining its 4 missions - train engineers by integrating the dynamics of sustainable development, doing scientific research, contributing to economic development and spreading the culture of science, technology and innovation - in a virtuous and innovative cycle.

LMI website: <https://www.imt.fr/>

Brief LMI video presentation: <https://www.youtube.com/watch?v=m39m6hdNC48>

Its positioning in terms of training and research places IMT Mines Albi as a reference school on three of the four themes of the IMT, namely the industry of the responsible future, energy, circular economy and society as well as engineering, health and well-being. IMT Mines Albi has acquired in 2023 and for a five-year period, a strategic plan divided into 7 main actions, responding to the strategic orientations of the IMT group to which it belongs.

IMT Mines Albi represents: 985 student-engineers and researchers in training, 362 staff, a consolidated budget of €32 million, 3 training and research centers: Clément Ader Albi Institute (ICA-A), RAPSODEE and Industrial Engineering Center.

IMT Mines Albi website: <https://www.imt-mines-albi.fr/>

The Centre Institut Clément Ader Albi (ICA-A) is a training and research centre of IMT Mines Albi. It brings together 50 people including 18 teacher-researchers.

In terms of training, he is an actor within IMT Mines Albi of general engineering training (student or apprentice status) and carries the option «Advanced materials and processes for tomorrow's transport».

In terms of research, it is an integral part of the Clément Ader Institute (ICA – UMR CNRS 5312), a laboratory gathering 250 people with scientific topics focused on engineering in the mechanics of materials in the field of aeronautics. Its five supervisory institutions are INSA Toulouse, ISAE-SUPAERO, Paul Sabatier University, IMT Mines Albi and CNRS.

CIA website: <https://ica.cnrs.fr/>

ICA deals with studies on structures, systems and mechanical processes. The business sectors are in the mechanical industries with a particular focus on aerospace, space, transportation and energy.

The Institut Clément Ader Albi ICA-A contributes to the four ICA research groups:

- Composite Materials and Structures
- Surfaces, Machining, Materials, Tooling
- Measurement, Identification, Control, Monitoring
- Numerical Twin Modeling

The field of action of ICA-A is to optimize the tooling or the forming processes of materials (metals, composites, polymers, glasses, etc.) as well as to study the relationships between microstructure,

process and behavior, in particular for the aeronautics and space sectors. Its activities are highly experimental but also numerical. ICA-A has its own research platform on the IMT Mines Albi campus, the MIMAUSA platform. ICA-A is a Restrictive Regime Zone (ZRR) since 2021.

Job Description :

Under the hierarchical authority of the director of IMT Mines Albi, and mandated for 5 years, you are responsible for the direction, management and management of all research, training and economic development activities, dissemination of the scientific culture of the Institut Clément Ader Albi (ICA-A) centre and must:

- Participate in the school's pedagogical project, training missions, research and technology transfer activities, set-up and follow-up of contractual activities and national and international collaborations,
- Ensure the successful completion of training, being assisted by the Deputy Director of Training of ICA-A, and co-organize with the Training Department (DF) of the school the day before regarding the evolutions of the needs in engineering and decline the offers of training in the sectoral fields of ICA-A,
- Contribute to the construction of the scientific and technical strategy of the UMR ICA, formalize a scientific roadmap outlining the scientific strategy of the UMR ICA within ICA-A and implement it, while being part of the strategic orientations of IMT and IMT Mines Albi, in the context of an international positioning of excellence, in connection with the challenges of digital, industrial and environmental transitions and France 2030,
- Report on the implementation of the strategic plan of IMT Mines Albi in particular through the various local authorities (College of Directors, College Business Relations, Advisory Committee of Education, School Council, etc.), of which you are a member,

Lead and contribute to the preparation of activity and evaluation reports (including HCERES, CTI, Strategic Orientation Committee, Research Committee, Education Committee, etc.) by following the relevant indicators (human resources, turnover, theses, publications, etc.). By 2025, in consultation with the ICA-A teams and in support of the ICA management, you will have to take stock of the past period, contribute to the new five-year HCERES project, and contribute to the preparation of the CTI audit,

- Ensure the global management of ICA-A and lead local steering bodies,
- Guarantee the smooth running of the ICA-A centre within IMT Mines Albi and UMR ICA,
- Ensure the operational management of ICA-A's human resources and, if necessary, propose the definition of the profiles of positions to be recruited,
- Be the guarantor of ICA-A's budgets and other performance indicators,
- Be responsible for the ZRR ICA-A, in conjunction with the School Security Officer and the HFDS Bureau, for the protection of scientific and technical heritage;
- Define and animate the operating bodies of ICA-A, with information, consultation and operational effectiveness as main objectives,
- Promote the setting up of new research and technology transfer projects by ICA-A teams and in coordination with the services of IMT Mines Albi, including its Research, Doctorate and Economic Intelligence Directorate (DRDIE).

Skills

Expected profile :

Holder of a PhD degree and Habilitation à Diriger des Recherches (HDR), in at least one area of scientific expertise of ICA with, if possible, recognized expertise in one of the main areas of application of ICA-A. You must provide non-exclusive proof of:

- Strong experience:

- o both in research and in technology transfer in areas of specialisation related to the main scientific disciplines involved;

- o in terms of setting up, steering and participating in direct contractual projects (CIFRE, Joint Laboratories, Chairs, etc.) and subsidized collaborative projects (ANR, Europe, ADEME, Region, etc.);

- o international collaborations;

- o setting up and piloting engineering training curricula, ideally in line with ICA-A's areas of expertise;

- Scientific production consistent with business standards and significant experience in supervision and doctoral training;

- Demonstrated management expertise:

- o sense of responsibility and decision-making ability

- o management and communication skills to lead and supervise teams

- o ability to adapt and control deadlines

- o organized, meticulous and rigorous

- o with intellectual and scientific curiosity

- Demonstrated expertise:

- o managing and/or leading permanent academic teams and projects

- o management of industrial relations (negotiations, contracts, etc.)

- o budget management in a public institution

BEYOND THE PROFESSIONAL ENVIRONMENT, WHY JOIN US?:

- Pleasant work environment on a 22 ha campus

- Framework package with 49 vacation days (leave + RTT)

- Telework possible from 6 months of seniority

- on-site administrative catering

- Sustainable mobility support for commuting

- social action (supplementary social protection and support for families)
- moving assistance
- help with integration in the territory: <https://www.grand-albigeois.fr/entreprendre/creer-se-developper/soutien-au-recrutement-salarie/>

Link to IMT branded film: <https://www.youtube.com/watch?v=m39m6hdNC48>

ADDITIONAL INFORMATION:

Recruitment pools:

- public sector, professor of the Institut Mines-Télécom (category I- professions A and B or category II-professions C), or public lecturer-researcher,
- private sector.

Possible statuses:

- Civil servant of the State under Decree No. 2007-468 of 28 March 2007 as amended, as part of an internal mobility or transfer of a professor of the Institut Mines-Télécom
- Secondment of a public servant research teacher on the LMI management framework (category I- job A)
- Lecturer-researcher of the management framework (category I- occupation A) under decree no. 86-83 of 17 January 1986.

- Position Location: Albi
- Application deadline: 24/03/2024
- Detailed CV and cover letter applications should be sent to: <https://institutminestelecom.recruitee.com/o/directeurdirectrice-du-centre-institut-clement-ader-albi>
- Desired start date: May 1st , 2024
- Recruitment positions are open to all with accommodations for candidates with disabilities upon request.

Application procedures

Applications should include:

- The letter of application (which can usefully evoke the project of integration of the candidate in the position, or possible orientations for the center and its management)
- The detailed scientific resume

Arrangements for organising hearings

- Presentation by the candidate (15 min.) of their background, achievements, motivations and potential for the centre;
- Free exchange between the candidate and the members of the jury (35 min.) to assess the scientific knowledge of the candidate, and the suitability of his application with the position
- A specific interview to better understand the personality and motivation of each candidate may be organised in addition.

- Contacts :
 - On the content of the position: Mr. Lionel IUQUIN – Director of IMT Mines Albi (lionel.luquin@mines-albi.fr – Tel. 05 63 49 30 10)
 - Administrative/HR: Ms Céline ALBERT – Director of Human Resources (celine.albert@mines-albi.fr – Tel. 05 63 49 30 77)

Important:

Under the General Data Protection Regulation, applicants are informed that their data will be kept by the administration for a maximum period of 2 years, unless otherwise requested in the cover letter.