

**ACADEMIC POSITION AT INSTITUT MINES-TELECOM - IMT LILLE DOUAI  
ASSISTANT-PROFESSOR IN ATMOSPHERIC SCIENCES**

**SPECIALITE : ATMOSPHERIC SCIENCES**

**AFFILIATION : IMT Lille Douai (Ecole Nationale Supérieure Mines-Télécom Lille Douai)**

IMT Lille Douai represents one of the largest French engineering schools in the north of France. The **Mines-Telecom Institute** (IMT) includes 11 engineering schools with a total of 13400 students (including 1500 PhD students), and a research contract turnover of 100M€. For more information, see : [www.imt-lille-douai.fr](http://www.imt-lille-douai.fr)

The Department of "Atmospheric Sciences and Environmental Engineering" (SAGE) of the Institute Mines Telecom Lille Douai, France, has ongoing research activities focused on atmospheric chemistry, air quality and the impacts of human activities on atmospheric composition. SAGE is currently composed of a staff of about 55 persons including 16 full-time faculty members. Research projects aim at a better understanding of the physical and chemical processes involved in the formation, transport and aging/transformation of gaseous and particulate pollutants in the indoor and outdoor atmospheres.

We invite applications for a new permanent full-time position at the Assistant Professor level in the area of atmospheric aerosols.

**MISSIONS:**

Under the guidance and responsibility of the Director of the Atmospheric Sciences and Environmental Engineering Department, the successful candidate should conduct the following research and teaching missions/activities:

• **Teaching Missions and responsibilities:**

- High quality teaching of undergraduate and graduate courses (from lab work to lectures) in the field of environmental sciences, general chemistry and/or process engineering
- Mentor and advise students, participate in internship defences and project presentations, and develop new educational practices and content

• **Research and technology-transfer Missions :**

- Develop and lead research projects in partnership with other laboratories
- Master field and lab instrumentation and data analysis based on existing competencies in the reactivity and metrology of atmospheric pollutants
- Introduce or develop complementary techniques for better characterization of aerosol properties
- Supervise technical staff, PhD students and postdoctoral scholars
- Publish results in refereed journals and present results at scientific conferences and meetings.
- Prepare a "Habilitation à Diriger des Recherches" (which allows to direct French PhD theses)
- Ensure the promotion and development of the SAGE Department
- Participate to scientific networks in the research area of expertise
- Participate to the organization of scientific events

**NOMINATION PROFILE :**

**The successful candidate will be expected to:**

- Demonstrate strong scientific qualifications in the area of atmospheric physics and/or chemistry, in particular linked to aerosol observation. An experience abroad relevant to these topics is highly recommended and field experience would be appreciated.
- Demonstrate technical and scientific skills in aerosol mass spectrometry and data analysis by source-receptor modelling.
- Demonstrate good communication skills, along with an ability to work effectively and creatively as part of a research team.
- Demonstrate ability or significant potential for teaching excellence in the graduate and undergraduate programmes in French or English , and a strong desire to develop teaching programmes based on digital technologies.
- Be available to actively participate in field campaigns, and attend scientific working groups and networks, as well as national and international conferences.

The applicant will hold a PhD degree in atmospheric science with a strong expertise on aerosol measurements. He/she will demonstrate scientific rigor, as well as organization and good interpersonal skills with faculty staff, technical engineers, students, etc. and other partners.

**GENERAL INFORMATION :**

The required document and for applying for this position can be obtained by contacting :

Sandra ANDRZEJEWSKI (Tel : +33 3.27.71.25.36 – [sandra.andrzejewski@imt-lille-douai.fr](mailto:sandra.andrzejewski@imt-lille-douai.fr) ) at the :

Ecole Nationale Supérieure Mines-Télécom Lille Douai (IMT Lille Douai) - Direction des Ressources Humaines  
Site de Douai - 941, rue Charles Bourseul -CS 10838 - 59508 DOUAI Cedex - France

Deadline date for submissions : 30 April 2018.

Eligibility Conditions : European Nationality Holders (European Union) at the candidature submission date.

**CONTACT**

**Prof. P. CODDEVILLE** - Head of Atmospheric Sciences and Environmental Engineering

**Phone +33 3.27.71.26 36 – email : [patrice.coddeville@imt-lille-douai.fr](mailto:patrice.coddeville@imt-lille-douai.fr)**

Additional information on the Department can be found at <http://sage.imt-lille-douai.fr/> (in French).