

## **Faculty position (associate professor) at Telecom Paris in Machine-Learning for Natural Language Processing**

### **Important Dates**

- October 11, 2024: application deadline
- Mid-November, 2024: selected candidates are due to audition

Telecom Paris's [1] machine learning, statistics and signal processing group (a.k.a S<sup>2</sup>A group) [2], within the laboratoire de traitement et communication de l'information (LTCI) [3] and the Image, Data & Signal (IDS) department [4], is inviting applications for a permanent (indefinite tenure) faculty position at the Associate Professor level (Maitre de Conferences) in \*Machine learning for Natural Language Processing\*.

[1] <https://www.telecom-paris.fr/en/home>

[2] <https://www.telecom-paris.fr/en/research/labs/information-processing-ltci/teams/signal-statistics-learning>

[3] <https://www.telecom-paris.fr/en/research/labs/information-processing-ltci>

[4] <https://www.telecom-paris.fr/en/school/departments/image-data-signal>

### **Main missions**

The person recruited must have the experience and expertise required to carry out the following research and teaching assignments

### **Research activities**

- Develop groundbreaking research in the field of theoretical or applied machine learning, aligned with the topics of the S<sup>2</sup>A group and the Images, Data & Signals department with a focus on Deep Learning. While the position is open to all applications within that field, expertise in Natural Language Processing (including the processing of natural language as text, speech, or information retrieval) or a desire to work with natural language data in the future is preferred. Additionally, the IDS department and S<sup>2</sup>A team have a particular interest in the following transversal themes: - Generative models - Conversational AI - Bias and Explainability in AI - Frugal Machine Learning
- Develop both academic and industrial collaborations on the same topic, including collaborative activities with other Telecom Paris research departments and teams, and research contracts with industrial players
- Set up research grants and take part in national and international collaborative research projects

### **Teaching activities**

- Participate in teaching activities at Telecom Paris and its partner academic institutions (as part of joint Master programs), especially in machine learning and Data science, including life-long training programs

### **Impact**

- Publish high quality research work in leading journals and conferences
- Be an active member of the research community (serving in scientific committees and boards, organizing seminars, workshops, special sessions...)

## **Candidate profile**

As a minimum requirement, the successful candidate will have:

- A PhD degree
- A track record of research and publication in the area of machine/deep learning
- Experience in teaching
- Good command of English

The ideal candidate will also (optionally) have:

- Experience in Natural Language Processing
- A post-doctoral or international experience in an academic or industrial laboratory

### *NOTE:*

The candidate does *\*not\** need to speak French to apply, just to be willing to learn the language (teaching will be mostly given in English)

Other skills expected include:

- Capacity to work in a team and develop good relationships with colleagues and peers
- Good writing and pedagogical skills

## **More about the position**

- Place of work: 19 place Marguerite Perey, 91120 Palaiseau, France. You'll be working in a fast-growing, pleasant, green and accessible environment (particularly for people with disabilities) just 20 km from Paris (RER B and C, close to major roads, shared shuttle service from Porte d'Orléans).
- 49 days' annual leave (CA + RTT)
- Flexible working hours (depending on the department's activity)
- Teleworking 1 to 3 days/week possible
- 75% reimbursement of public transport season ticket
- Proximity to numerous sports facilities, concierge service, underground car park, in-house catering, etc.
- Staff association at school and department level
- Good to know: our social security contributions are lower than in the private sector

## **How to apply**

Applications are sent using the link

<https://institutminestelecom.recruitee.com/l/en/o/assistantassociate-professor-in-machine-learning-for-natural-language-processing-cdi>

The application should include:

- A complete and detailed curriculum vitae
- A letter of motivation
- A document detailing past activities of the candidate in teaching and research: the two types of activities will be described with the same level of detail and rigor.
- The texts of the main publications
- The names and addresses of two referees
- A short teaching project and a research project (maximum 3 pages)

Please, do not hesitate to contact the team before applying.

**Contacts :**

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