

## Associate Professor in Machine Learning

The group dedicated to Research in Machine Learning, Statistics & Signal Processing (the research group S2A), within the Image, Data & Signal department (the IDS Dpt.) and the Laboratoire Traitement et Communication de l'Information (LTCI) is recruiting an Associate Professor in Machine Learning.

### Research

The research activities will rely on the team expertise, which covers both theoretical and methodological works in Machine Learning, at the interface of computational/mathematical statistics, stochastic modelling, time-series analysis, signal processing and optimization. Expertise in one of the following subjects at least is desired:

- trustworthy machine learning (reliable, robust, fair, explainable)
- online learning, reinforcement learning
- structured prediction / multi-task
- large scale learning, frugal learning
- time-series, spatio-temporal data

Research results will be published in leading journals and conferences. Activities in scientific bodies, organization of special sessions, workshops as well as involvements in committees of scientific conferences will contribute to the visibility. The recruit is expected to contribute to scientific projects with industrial partners, around very challenging subjects such as the scientific topics of the chair <https://datascienceandai.wp.imt.fr/en/home-2/>. This may be possibly done by participating to industrial chair programs, bilateral contracts, proposals to national and international research project calls or by co-supervising PhD theses (including CIFRE theses, involving industrial partners).

### Teaching

In the fields of Machine Learning, teaching at Telecom Paris mainly occurs at the level of bachelor or master courses (e.g. probability, statistics, optimization), as well as in specialized training courses (e.g. machine learning, nonparametric statistics). The master courses also include courses in masters of Institut Polytechnique de Paris. The members of the S2A team are also involved in professional masters of Telecom Paris fully dedicated to Big Data ("Management and Analysis of Big Data") and AI, as well as in certificates "Data Scientist" and "AI": they are in charge of the statistics and machine-learning courses. The candidate will participate to these teaching activities.

### Skills

- Education : PhD or equivalent
- An international postdoctoral experience is welcome but not mandatory
- English: fluent; French: the candidate should be willing to learn it

### Knowledge and experience required

- Research publications in Machine-Learning
- Teaching experience at the university level

### Other Qualities and skills

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

### Additional information

In the context of the Institut Polytechnique de Paris, the activities in Data Science and AI of the S2A team benefit from the center Hi!Paris (<https://www.hi-paris.fr>), offering seminars, workshops and fundings through calls for project

### The position

- Permanent position
- 19 place Marguerite Perey - 91120 Palaiseau - France

## **Application**

Application must be performed through one of the websites

VF : <https://institutminestelecom.recruitee.com/o/maitre-de-conferences-en-apprentissage-statistique-fh-a-telecom-paris-cdi>

VA : <https://institutminestelecom.recruitee.com/l/en/o/maitre-de-conferences-en-apprentissage-statistique-fh-a-telecom-paris-cdi>

Applicants should submit a single PDF file that includes:

- cover letter,
- curriculum vitae,
- statements of research and teaching interests (4 pages)
- three publications
- contact information for two references

## **Important dates**

- September 24, 2021 : application deadline
- October 25-26 and November 4-5: interviews (by visio-conference eventually)
- Winter 2021/22: beginning

## **Contact :**

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Florence d'Alché (Holder of the Chair DSAIDIS)

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For more info on being an Associate Professor at Telecom Paris, contact [rh@telecom-paris.fr](mailto:rh@telecom-paris.fr)

## **Other web Sites :**

Département Traitement du Signal et des Images

<https://www.telecom-paris.fr/fr/lecole/departements-enseignement-recherche/image-donnees-signal>

Laboratoire du Traitement de la Communication et de l'information <https://www.telecom-paris.fr/fr/recherche/laboratoires/laboratoire-traitement-et-communication-de-linformation-ltci>

Team S2A

<https://www.telecom-paris.fr/fr/recherche/laboratoires/laboratoire-traitement-et-communication-de-linformation-ltci/les-equipes-de-recherche/signal-statistique-et-apprentissage-s2a>

Télécom Paris

<http://www.telecom-paris.fr>