



## **Faculty position (Associate professor) at Telecom ParisTech in Machine-Learning.**

### **Important Dates**

- May 25th, 2018: closing date
- Mid June: hearings of preselected candidates

Telecom ParisTech'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) [5], is inviting applications for a permanent (indefinite tenure) faculty position at the \*Associate Professor\* level (Maitre de Conférences) in \*Machine learning\*.

### **Main missions**

The recruit will be expected to:

#### **Research activities**

- Develop groundbreaking research in the field of theoretical or applied machine learning, targeting applications that are well aligned with the topics of the S<sup>2</sup>A group [3] and the Images, Data & Signals department [4], which include (and is not restricted to) time series analysis (audio, ...), reinforcement learning, natural language processing, social signal processing, predictive maintenance, biomedical or physiological signal analysis, recommendation, finance, health, ....
- Develop both academic and industrial collaborations on the same topic, including collaborative activities with other Telecom ParisTech 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 ParisTech and its partner academic institutions (as part of joint Master programs), especially in machine learning and Data science, including life-long training programs (e.g. the local Data Scientist certificate)

#### **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 one or more of the following areas: machine learning, applied mathematics, signal processing,
- Experience in teaching
- Good command of English

The ideal candidate will also (optionally) have:

- Experience in temporal data analysis problems (sequence prediction, multivariate time series, probabilistic graphical models, recurrent neural networks...)

### *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: Paris until 2019, then Saclay (Paris outskirts)
- For more information about being an Associate Professor at Telecom ParisTech, check [6] (in French)

## How to apply

Applications are to be sent by e-mail to: [recrutement@telecom-paristech.fr](mailto:recrutement@telecom-paristech.fr)

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)

## Contacts :

Slim Essid (Coordinator of the ADASP team)

Florence d'Alché-Buc (Professor, Machine Learning)

Stéphane Cléménçon (Head of the S<sup>2</sup>A group)

Gaël Richard (Head of the IDS department)

[1] <http://www.tsi.telecom-paristech.fr>

- [2] <http://www.tsi.telecom-paristech.fr/ssa/>
- [3] <http://www.tsi.telecom-paristech.fr/aa0/en/>
- [4] <http://www.tsi.telecom-paristech.fr/en/>
- [5] <https://www.ltc1.telecom-paristech.fr/?lang=en>
- [6] <http://www.telecom-paristech.fr/telecom-paristech/offres-emploi-stages-theses/recrute-enseignants-chercheurs.html>