



Faculty position (Associate professor) at Telecom ParisTech on Deep learning applied to temporal data analysis.

Important Dates

- February, 28th, 2018: closing date
- Mid April: hearings of preselected candidates

Telecom ParisTech's [1] machine learning, statistics and signal processing group (a.k.a S²A 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 *deep learning applied to temporal data analysis*.

Main missions

The recruit will be expected to:

Research activities

- Develop groundbreaking research in the field of deep learning, with a special emphasis on structured prediction and interactions with probabilistic graphical models, targeting applications to temporal data analysis that are well aligned with the topics of the S²A group [3] and the Images, Data & Signals department [4], which include (and is not restricted to) audio, physiological or video data analysis...
- 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 signal processing, 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, especially deep learning, signal processing,
- Experience in temporal data analysis problems (sequence prediction, multivariate time series, probabilistic graphical models, recurrent neural networks...)
- Experience in teaching
- Good command of English

The ideal candidate will also (optionally) have:

- Experience in distributed computing environments

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

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 S²A 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/aao/en/>

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

[5] <https://www.ltcn.telecom-paristech.fr/?lang=en>

[6] <http://www.telecom-paristech.fr/telecom-paristech/offres-emploi-stages-theses/recrute-enseignants-chercheurs.html>