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. Expertise in one of the following subjects at least is desired:

- Machine Learning & AI: Theory, Algorithms & Applications
- Structured Data Analysis: Time Series, Graphs, Spatial Data
- Robustness, Reliability, Fairness, Bias in AI
- Random Graphs, Causal Inference
- Sequential Learning, Reinforcement/Active Learning

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 Data Science, 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 Data Science

- 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
- 9 place Marguerite Perey - 91120 Palaiseau - France

Application

Application must be performed through the website

https://institutminestelecom.recruitee.com/l/en/o/assistant-professor-in-machine-learning-at-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

- **July 16, 2022 : application deadline**
- Mid-July: interviews (by visio-conference eventually)
- September 2022: beginning

Contact

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For more info on being an Associate Professor at Telecom Paris, contact 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