

Faculté des Sciences et Ingénierie

Department : UFR 929 – Mathématiques

Location : Campus Pierre et Marie Curie, 4 place Jussieu, 75005 PARIS

Job Identification

Discipline : Applied Mathematics

Corresponding CNU sections :

Section 26 - Mathématiques appliquées et applications des mathématiques

Section 25 – Mathématiques

Job title: Tenure track

Quotity : 100%

Etat du poste : open

Profil

Fondements mathématiques des sciences du calcul et des données

Job Profile

Mathematical foundations of computational and data science

Education

Training courses concerned

Bachelor's degree and Master's degree.

Pedagogical objectives and supervision requirements

The person recruited will be required to teach in mathematics courses at the Bachelor's and Master's level, particularly in areas related to the following themes: data science, scientific computing, statistics, deep learning, numerical analysis, optimization, mathematical aspects of artificial intelligence.

The volume of teaching is set to 42 hours of lectures or 64 hours of tutorials or lab teaching, or any equivalent combination, per year over the duration of the contract.

Research

The candidates sought are experts in one or more of the following areas: high-performance scientific computing, deep learning, computational statistics, innovative numerical methods, high-dimensional data processing and optimization, computational geometry, etc. (list not exhaustive).

The Chair is for a period of 3 years, renewable for 3 years, with substantial research support (200 k€ over the period, allowing for example the financing of a thesis, a postdoc, missions, computer equipment). The person will be eligible for tenure as a university professor after 3 years of contract, subject to validation by an evaluation committee.

We wish to recruit a young researcher with a good research experience, who has been abroad, whose degree of autonomy and scientific depth allows him/her to obtain an Habilitation to Supervise Research during the contract period, and who is likely to lead high level research activities in the concerned fields.

With a community of 52,000 students and 6,400 teacher-researchers, Sorbonne University maintains an objective of impact and attractiveness at the highest international level.

The host laboratories mainly targeted are the mathematics laboratories of the Faculty of Science and Engineering, and in particular:

- The Jacques-Louis Lions Laboratory (LJLL) whose research activities cover the modeling and analysis of physical phenomena by partial differential equations, control, numerical simulation by innovative methods, high performance scientific computing.
- The Laboratoire de Probabilités Statistique & Modélisation (LPSM) whose research activities cover random modeling in its theoretical and applied aspects, stochastic analysis, numerical probabilities, statistics, and learning theory.

Laboratory	Sigle (UMR)	N°
LJLL	UMR	7598
LPSM	UMR	8001

Application procedure

Applications are open from March 16, 2023 10:00 am (Paris time) to April 17, 2023 4:00 pm (Paris time). Applications must be submitted on the [Galaxie](#) website. Candidates who do not have access to this Galaxie application (in particular non-French candidates) may exceptionally submit the complete application electronically according to the established schedule and procedures. Send the application files to sciences-drh-gestioncoEC@sorbonne-universite.fr with the subject "Candidature CPJ"

The documents to be attached to the application file are set by the [decree of February 6, 2023](#), as amended, concerning the general terms and conditions for the transfer, secondment and recruitment by competition of lecturers, university professors and junior professors (see in particular Title III - articles 24 to 27 and Title IV - articles 28 to 31).

Candidates who do not hold a doctorate must have their university diplomas, qualifications and titles recognized as equivalent to a doctorate, in accordance with one of the procedures provided for in article 5 of decree no. 2021-1710 of December 17, 2021 concerning the junior professorship contract provided for in article L. 952-6-2 of the Education Code and article L. 422-3 of the Research Code. Any incomplete application by the above-mentioned deadline will be declared inadmissible.

Only candidates who have been selected by the selection committee on the basis of their applications will be invited to an interview, according to a timetable and procedures that will be communicated shortly.

The aforementioned [decree n° 2021-1710 of December 17, 2021](#) determines the conditions of renewal of the contract, the modalities of assessment, before the tenure, of the scientific value and the aptitude to carry out the missions of each body, the modalities of appointment of the members of the selection and tenure commissions and the conditions of the commitment to serve.

Contacts

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