

Job description Junior Professor Chair Recruitment campaign 2024

University: Université de Caen-Normandie

Education location: UFR des Sciences

Research location: Laboratoire de Mathématiques Nicolas Oresme (LMNO)
UMR 6139 CNRS/UNICAEN

Job details

Research area: Mathematics

CNU section: 25

Job status: vacant

Duration: 4 to 6 years. Tenure as university professor

Profile: p -adic methods for arithmetic geometry in positive characteristic

University strategy

As a 2023 laureate of the France 2030 “Excellence in all its form” program, which focuses on the development of research excellence within the institution, the university of Caen Normandie intends to give a decisive boost to research in its sectors of excellence, among which mathematics.

The institution would like to use the junior professor chairs to recruit experienced young researchers who already have good research experience. They will need to have solid international experience and show strong potential for supervising and leading a research team. They should demonstrate enough autonomy and scientific depth to be able to pass an “habilitation à diriger des recherches” during the term of the contract. Once tenured, they will commit themselves to helping finding funding opportunities, by applying to competitive European and international research programs. The ERC scheme will be a particular focus.

The junior professor chairs that are requested will be dedicated to attracting the best candidates and offering them optimal conditions. They will also be able to support the emergence of projects that will provide the excellence of tomorrow.

The junior professor chairs come together with a 400k€ funding, provided half by the ANR and the Normandy region, which strongly supports this recruitment scheme. It is aimed at funding a doctoral contract (3 years), a postdoctoral contract (2 years), and may cover other costs in addition: missions, conferences, etc.

At the end of the contract, the person recruited will be eligible for tenure as a university professor.

With a community of 33,000 students and 1,500 teaching and research staff, the university of Caen Normandy aims to have an impact and be attractive at the highest international level.

Research

Nature of position: 4 to 6-year fixed-term contract, leading to tenure as a university professor

Research project title: p -adic methods for arithmetic geometry in positive characteristic

Traget profile: The research group “number theory and arithmetic geometry” from the Laboratoire de Mathématiques Nicolas Oresme (LMNO) of the university of Caen Normandie is interested in questions with arithmetic origine, with an emphasis on the positive characteristic and p -adic settings. The members of the team have investigated several aspects of these topics and taken an active part in its development, both by building foundations (in the theory of arithmetic \mathcal{D} -modules, Berkovich spaces, etc.) and proving major conjectures (about Barsotti–Tate groups, Drinfeld modules, etc.).

The LMNO aims at hiring a researcher with a specialization in the p -adic aspects of varieties in positive characteristic. The goal is to strengthen the existing themes but also bring a new vision and complementary skills. A recognized expertise in the area of p -adic cohomologies, p -adic motives, p -adic modular forms, p -adic deformations of algebraic cycles or p -adic Hodge theory will be appreciated.

The person selected will have achieved significant scientific contribution in his/her field and be part of a strong international network. Commitment for the community and the ability to set up projects will be positively considered.

Teaching

The person selected will join the department “Mathematics and Computer Science” of the UFR des Sciences of the university of Caen Normandie. He/She is expected to be able to teach in all the diplomas of the UFR des Sciences, and possibly other departments of the university. He/She will take part in the MINMACS graduate school, where several Norman mathematics and computer science departments are involved, for instance by setting up a master class in relation with the themes of the project.

The recruited person is also required to get significantly involved in the department and the laboratory, in particular through taking on educational and administrative responsibilities.

The volume of teaching is set at 42 hours of lectures or 64 hours of tutorials or practical work or any equivalent combination, as an annual average over the duration of the contract.

Application and recruitment procedures

Applications are open from May 17, 2024 at 12:00 noon (Paris time) to June 18, 2024 at 12:00 noon (Paris time). Applications must be submitted via the Galaxie application. The applicants who do not have access to this Galaxie application (in particular those living abroad) may submit the full application electronically (see contacts below) in accordance with the timetable and procedures

laid down.

The documents to be attached to the application file are set out in the Order of 6 February 2023, as amended, relating to the general terms and conditions for transfers, secondments and competitive recruitment of lecturers, university professors and junior professors (see in particular Title III, articles 24 to 27 and Title IV, articles 28 to 31):

- photographic identification ;
- proof of possession of a PhD or a diploma, title or qualification recognized as equivalent;
- the examination report for the diploma produced or a statement from the institution certifying that no examination report has been drawn up;
- an analytical presentation of the works, books, articles, achievements and activities related to the profile of the post in question, mentioning those that the candidate intends to present at the audition;
- a copy of each of the works, books, articles and achievements mentioned in the analytical presentation and which the candidate intends to present at the audition, not exceeding 6 documents.

Applicants who do not hold a PhD must have their university diplomas, qualifications and titles recognized as equivalent to a PhD in accordance with one of the procedures set out in article 5 of decree no. 2021-1710 of 17 December 2021 relating to 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 application incomplete by the above-mentioned deadline will be declared inadmissible. Only candidates selected by the selection committee on the basis of their applications will be invited to an audition.

The aforementioned decree no. 2021-1710 of 17 December 2021 sets out the conditions for renewing contracts, the procedures for assessing scientific merit and suitability to perform the duties of each body prior to tenure, the procedures for appointing members of selection and tenure committees and the conditions of the service commitment.

Contacts

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