

The Faculty of Science and the Mathematical Institute are looking for an:

Assistant Professor in Arithmetic Algebraic Geometry (fulltime)

Vacancy number: 16-445

Key responsibilities

The candidate will perform research, and contribute to the teaching tasks of the Mathematical Institute. The candidate may also share into other responsibilities of the institute.

The candidate will be appointed using financial support by the NWO tenure track scheme awarded to the research proposal by Prof.dr. Edixhoven of the Mathematical Institute (see <http://www.nwo.nl/actueel/nieuws/2016/ew/zeven-nieuwe-tenure-track-posities-binnen-de-wiskundeclusters.html>) . In accordance with this, the candidate's research is thought to be at least initially in the area of Shimura varieties, Arakelov theory, or Intersection theory of moduli spaces.

The candidate is expected to carry out autonomous research, and to supervise PhD students. Funding for one PhD student is available within the tenure track scheme. The candidate is expected to apply for additional funding after an initial period.

Teaching duties in the Mathematical Institute are shared and rotate among the members of the institute. They may concern courses in the bachelor's or master's programmes in mathematics, or mathematically oriented courses for other students.

Selection Criteria

- Ph.D. degree in Mathematics
- excellence in research in the area as outlined, as proven by PhD thesis and publications
- several years of experience at the postdoctoral level
- excellence in teaching
- commitment to become fluent in Dutch

Research at our faculty

The Faculty of Science is a world-class faculty where staff and students work together in a dynamic international environment. It is a faculty where personal and academic development are top priorities. Our people are driven by curiosity to expand fundamental knowledge and to look beyond the borders of their own discipline; their aim is to benefit science, and to make a contribution to addressing the major societal challenges of the future.

The research carried out at the Faculty of Science is very diverse, ranging from mathematics, information science, astronomy, physics, chemistry and bio-pharmaceutical sciences to biology and environmental sciences. The research activities are organised in eight institutes. These institutes offer eight bachelor's and twelve master's programmes. The faculty has grown strongly in recent years and now has more than 1,300 staff and almost 4,000 students.

The Mathematical Institute is one of the eight institutes within the Faculty of Science. The expertise of the members of the institute covers a broad range of topics, with a focus on Algebra, Geometry and Number Theory; Analysis and Dynamical Systems; Probability Theory; and Statistics. Research is

focused both on fundamental mathematics and statistics and on applications in other sciences, society and industry. There is a strong cohesion among the members of the institute.

The Algebra, Geometry and Number Theory group is linked into the Algant network, plays an important role in the DIAMANT research cluster, and is strengthening its collaborations with the GQT cluster. Its research tries to bridge the gap between abstract theory and the world of algorithms and applications. It might be viewed as number theory in the broadest sense, ranging from cryptology to arithmetic geometry and motives, with a strong emphasis on algebraic methods and a direct interest in the computational aspects of the theory.

The Mathematical Institute offers educational programmes in pure and applied mathematics and statistics. It also offers many courses in mathematics and statistics for other academic programmes.

Terms and conditions

The appointment will be at the level of assistant professor ("Universitair Docent"). After a period of maximally two years, but likely earlier, the appointment will be made permanent ("voor onbepaalde tijd") subject to excellent performance. Promotion to higher ranks is not excluded, but not built into the contract.

Leiden University is strongly committed to diversity within its community and especially welcomes applications from members of underrepresented groups.

Salary range from €4.427,- to € 4.691,- gross per month (payscale 11) or from €4.152 to €5.330,- gross per month (payscale 12) in accordance with the Collective Labour Agreement for Dutch Universities.

Leiden University offers an attractive benefits package with additional holiday (8%) and end-of-year bonuses(8.3 %), training and career development and sabbatical leave. Our individual choices model gives you some freedom to assemble your own set of terms and conditions. Candidates from outside the Netherlands may be eligible for a substantial tax break.

Leiden University requires teaching staff to obtain the University Teaching Qualification (UTQ). If the successful applicant does not already possess this qualification or its equivalent it's obligated to obtain this Qualification within two years.

Information

Enquiries can be made to Prof.dr. Bas Edixhoven (edix@math.leidenuniv.nl). If you have questions about the procedure, please contact the Director of the Institute and Chair of the hiring committee Prof.dr. Aad van der Vaart (avdvaart@math.leidenuniv.nl).

Information about the faculty of science can be found at <http://www.science.leidenuniv.nl> and <http://workingat.leiden.edu/>

Applications

Written applications using the vacancy number and including a full vitae, a list of publications, brief past and future research statements, as well as the names and addresses of at least three persons that can be contacted for reference (who have agreed to be contacted), should be uploaded

before January 15 2017 to the website: <http://jobs.math.leidenuniv.nl/2017/mathud>