Full-time, indivisible vacancy in the field of geomatics.

**Start date:** 1 January 2022

**Description of the course load:**

A full-time, indivisible position in the field of Geomatics within the Department of Geography (Geomatics Unit) in the Faculty of Sciences. This post includes teaching, research and services to the Community.

**Context**

Geomatics is a discipline which deals with the acquisition, modelling, analysis, integration and representation of geographic data. In a world where the use of geographic data is on the rise, geomatic techniques are the foundation of a very large number of applications which are indispensable to scientific research as well as to the functioning of society.

Within ULiège and more specifically within the Department of Geography, geomatics is a strength of both our teaching and research. Since 1992, ULiège been the only institution in the Walloon-Brussels Federation authorised to organise university teaching (Bachelors and Masters) in geomatics and geometrology. In addition, teaching in geomatics responds to an ever-increasing need in geographers’ training, as well as more broadly in the field of sciences and technologies, as well as in the social sciences.

Geomatics within the Geomatics Unit of the Department of Geography is treated according to an approach focussed on the foundations of the discipline rather than on one thematic application. This is the originality of both its teaching and research, which allows the Geomatics Unit to pursue both fundamental research and applied research in a variety of areas, often in multidisciplinary collaboration.

Following the reorganisation of the classes led by Professors Jean-Paul Donnay and Yves Cornet, and after a reform of the Masters in geographic sciences, geomatic orientation and geometrology, which became the Masters in Geographic Sciences with two geomatics specialities namely an “expert-surveyor” and a “geodata expert”, three posts were opened up (2.1 FTE): a full-time position in the field of Geographic Information Systems, a full-time position in the field of 3D Geodata, and a part-time (10%) position for a professional expert-surveyor. Following the withdrawal of the only candidate for the interview, the call for the 3D Geodata position was closed. The two other positions have been filled.

In order to cover teaching for the 2021–2022 academic year and, more particularly, teaching in the second term, and to be fully operational for the 2022–2023 academic year, the Department of Geography wishes to immediately reopen the position with a broader field of recruitment extending to all areas of Geomatics.

**Teaching activities:**

Planned courses:

GEOG0054-1 – Methods for acquiring spatial data, 25h Th, 25h Pr, 2d C 3B Geog
GEOG0053-1 – Topography – Part 1, 20h Th, 10h Pr, 1M Geom
The teaching load will be completed by one or more classes specialising in the research field of the selected applicant.

Research Activities:
The candidate will be required to manage and develop international level research in Geomatics (Geodesy, Global Navigation Satellite Systems, Geographic Information Systems, the Acquisition and Processing of 3D geodata, remote sensing), ideally in connection with areas of application within the Geomatics Unit and the SPHERES research unit.

Services to the Community:
The candidate will be required to join the Department of Geography and to participate in the various activities and missions of this Department and the Faculty.

Qualifications required / profile:

Research profile:
- Holder of a doctoral degree involving high-level international research in one of the areas of Geomatics, (Geodesy, Global Navigation Satellite Systems, Geographic Information Systems, the Acquisition and Processing of 3D geodata, remote sensing).
- The applicant must demonstrate their ability to develop fundamental research in one of the geomatic fields mentioned above. They should be capable of developing new methodologies or new innovative tools for the acquisition, management and processing of data; the practical use of different geomatic tools as part of a specific application will not be considered as sufficient experience.
- Experience of international research is a bonus, but not an obligation.

Teaching:
- The candidate will have to demonstrate the ability to teach in the field of the acquisition, management and processing of geographic data on a large scale (topography, lasergrammetry and photogrammetry).
- A good knowledge of the issues relating to the profession of expert surveyor is a bonus, but not an obligation.

Selection procedure:
The selection procedure will take place in accordance with the regulations applied within the University of Liège.

Applications:
Applicants are requested to submit their applications electronically, to the following address: postesacademiquestes@uliege.be with a copy to francoise.motte@uliege.be no later than 30 September 2021.

Required documents:
Applications should be submitted (with a cover letter), accompanied by a complete curriculum vitae (see the procedures on the website of the Faculty of Sciences at: https://www.sciences.uliege.be/emploi-sciences);

A report on past and current research activities and a research plan (three pages) including the envisaged integration within the University of Liège;

A teaching file including a report on any prior teaching activities and a teaching plan (three pages);

A copy of publications in digital format.

Conditions of recruitment:

The position shall be assigned either from the outset on a permanent basis or for a fixed term of four years, which may lead to the permanent appointment of the person concerned.

In the case of a four-year appointment, an evaluation of the person concerned will be carried out at the end of the third year.

- If the evaluation is negative, the person concerned will complete the four-year term but will not be able to extend it.
- If the assessment is positive, the person concerned shall be appointed on a permanent basis.

Information:

Further information can be obtained from Ms Françoise Motte – tel.: +32 4 366 36 52 – francoise.motte@uliege.be

Salary:

Salary scales and how they are applied are available from the human resources department of the University: Ms Ludivine Depas – tel.: +32 4 366 52 04 – Ludivine.Depas@uliege.be