

PhD position in Remote Sensing and Geographic Information Systems Université de Liège (Belgium)

The Geomatics Unit is seeking a qualified and highly motivated **teaching and research assistant** to join its research team.

At the Geomatics unit, we aim to collect, model, analyse and manage spatial data to provide new insights into the functioning of natural and urban ecosystems. In particular, we develop advanced methods of Earth Observation (based on multispectral, hyperspectral, and microwave spaceborne sensors) and geographic information systems to extract critical spatial information that can be used, for example, in Earth System models. Our main applications are in hydrology, ecosystem monitoring, urban digital twins, and 3D geoprocessing.

Job description

The successful applicant will join the Geomatics Unit as a teaching and research assistant. As part of the teaching activities, the assistant will be responsible for the practical work associated with courses in remote sensing, Earth observation (EO), spatial analysis, geographic information systems (GIS), and spatial data infrastructure (SDI).

The candidate will also carry out a PhD thesis in the field of remote sensing and/or GIS. The candidate will be hired for a period of 2 years **starting on January 2023**, which may be renewed 2 times for a period of 2 years (i.e., a total of 6 years). Research and teaching activities will each represent 50% of the activities.

Qualifications

We welcome applications from motivated, curious students with experience in geosciences. Ideal candidates will have:

- an MSc in geography, geosciences, bioengineering, geomatics/environmental/civil engineering, or any related field;
- a first experience in remote sensing and GIS including programming skills (Matlab, R, or Python);
- excellent written and oral communication skills in English;
- a strong motivation to carry out research activities in remote sensing and GIS.

The Institution

The candidate will be hosted at the Geomatics Unit (Faculty of Sciences) of ULiège on the Sart Tilman campus, Belgium. Additional information regarding ULiège can be found at www.uliege.be.

Interested?

The application should be sent in one single PDF including a motivation letter, a curriculum vitae (mentioning your study grades), and the names and contact details of two referees. The position will remain open until filled by an excellent candidate. Applications should be sent to Prof. Roland Billen (rbillen@uliege.be) and Prof. François Jonard (francois.jonard@uliege.be).