

Id: 4871

Forskningsingenjör

Diarienummer: 2022.2.5.1-2460

Research Engineer

The Unit for Field-based Forest Research

The Unit for Field-based Forest Research (www.slu.se/en/departments/field-based-forest-research) at the Swedish University of Agricultural Sciences (SLU)/ Faculty of Forest Sciences, is hiring an experienced Research Engineer in the area of micrometeorology and environmental field measurements. Working within a team of Research Engineers and Technicians at the Svartberget Field station, offers a great opportunity for those who enjoy working outdoors, and making a positive contribution to boreal ecosystem research

SLU contributes to three geographically distributed research infrastructures; ICOS Sweden (Integrated Carbon Observation System; www.icos-sweden.se), focusing on monitoring and understanding the greenhouse gas balance; ACTRIS Sweden (Aerosol, Clouds and Trace Gases Research Infrastructure) www.actris.eu and the national SITES (Swedish Infrastructure for Ecosystem Science; www.fieldsites.se). The research infrastructures include extensive automated and manual measuring programs to understand the ecology, biogeochemistry, land-atmosphere exchange and management of boreal ecosystems and the impact of climate change. The Experimental forest also hosts numerous additional national and international research projects collaborating with academics and students.

Duties:

- The main tasks include the maintenance and further development of the field research infrastructures measuring programs both on the ground and in towers.
- Daily duties include field maintenance, troubleshooting, calibration of field equipment, programming data loggers, multiplexers etc., as well as handling of data (transfer, quality check and deliveries).
- In addition, you will also be involved in the direct support of ongoing research projects.

Required qualifications:

- Master degree, or comparable, in engineering, physics, or environmental science or related field or experience.
- Knowledge in environmental measurement sensors, meteorological sensors, gas analyzers, data loggers and associated programming languages.
- Experience with eddy covariance measurements/micrometeorological theory.
- Ability to adapt to flexible work schedules and to teamwork with a common goal.
- Ability to work on multiple assignments, set priorities, reprioritize when necessary, and take initiative in defining and executing tasks.
- Driver's license for cars, valid in Sweden.
- Fluent in written and spoken English and prepared to learn Swedish.
- Ability to perform work tasks in high towers (150m) in accordance with safety regulations. Training will be provided where necessary.

Qualifications considered a merit:

- Operation and repair of scientific equipment in a laboratory or in the field.
- Creative skills for the development and fabrication of scientific equipment.
- Familiarity with or experience in an academic research environment.
- Ability to program data loggers and process data with scripted language, like Matlab, R. or similar softwares.
- Experience of GIS data and related software, for example QGIS
- Certified drone pilot with experience in drone flying and image analysis
- Driver's license for snow mobiles and experience of snow mobile driving

Place of work:

Svartberget field station

Form of employment:

Permanent employment. SLU uses probationary employment.

Extent:

100%

Starting date:

July 1, 2022 or upon agreement.

Application:

We welcome your application no later than 2022-06-28, use the button below.

Academic union representatives:

<https://internt.slu.se/en/my-employment/employee-associations/kontaktpersoner-vid-rekrytering/>

The Swedish University of Agricultural Sciences (SLU) is a world-class international university with research, education and environmental assessment within the sciences for sustainable life. Its principal sites are in Alnarp, Umeå and Uppsala, but activities are also conducted at research stations, experimental parks and educational establishments throughout Sweden. We bring together people who have different perspectives, but they all have one and the same goal: to create the best conditions for a sustainable, thriving and better world. SLU has just over 3,000 employees, 5,000 students and a turnover of SEK 3 billion. The university has invested heavily in a modern, attractive environment on its campuses. www.slu.se

Kontaktperson:

Johan Westin

Parkchef

johan.westin@slu.se

070-3469459

Matthias Peichl

Professor

matthias.peichl@slu.se

+46907868463

Mats Nilsson

Professor

mats.b.nilsson@slu.se