Job posting

Type of position

☒ scientific
☐ administrative

Target group

☒ graduates
☐ post docs
☐ other

Title

Technician (m/f/d)

Institution

The Leibniz Institute for Agricultural Engineering and Bioeconomy is a pioneer and a driver of bioeconomy research. We create the scientific foundation to transform agricultural, food, industrial and energy systems into a comprehensive bio-based circular economy. We develop and integrate techniques, processes and management strategies, effectively converging technologies to intelligently crosslink highly diverse bioeconomic production systems and to control them in a knowledge-based, adaptive and largely automated manner. We conduct research in dialogue with society - knowledge-motivated and application-inspired.

Position

For the research project entitled I4S – Integrated System for Site-Specific Soil Fertility Management we are offering the position of a Technician (m/f/d)

I4S is a joint project within the framework of the BonaRes initiative of the Federal Ministry of Education and Research, which is now starting its third funding phase. In the sub-project "Multisensor-Platforms" a multi-sensor platform for mobile soil mapping was built within the past six years. It consists of four different sensor systems (geoelectric, Vis-NIR spectroscopy, potentiometry and gamma spectroscopy). This sensor platform is to be further developed and equipped with additional sensor modules (e.g. X-ray fluorescence, laser-induced plasma spectroscopy, Raman and MIR spectroscopy, MIR, acoustic sensor). The research and development of the sensor modules is carried out by 8 other project partners. The metrological integration into the platform takes place at the ATB. In addition, a new type of soil sampler and a second sensor platform for subsoil mapping are to be further developed. In addition to the I4S partners, at ATB, the project will be supported by a team of scientists and technicians from various disciplines.

This full-time position (100%), with the option of part-time, is limited until February 28, 2025. The salary is based on your qualification and professional experience according to TV-L up to salary group 11.
Responsibilities

- Further development, construction and functional testing of the multi-sensor platforms and the soil sampler
- Metrological installation (software, electronics) of the sensor modules on the platform
- Support in the planning, implementation and evaluation of experiments in the laboratory and in the field

Requirements

Your qualifications

- University degree (bachelor, diploma (FH) or equivalent) in mechanical engineering mechatronics electrical engineering, or equivalent professional experience
- Good skills and practical experience in electrics
- Programming skills (e.g., Visual Basics)
- Readiness of mind, ability to work in a team, and flexibility in the context of development tasks
- Ability to work self-dependent and be innovative
- Interest in sensor technology, experimental development and agricultural engineering
- Confident command of the German language, both written and spoken
- Good knowledge of the English language
- European driving license (class B)

We offer

- Options for job specialisation in the innovative sector of agro mechatronics
- Participation in an interdisciplinary team in an attractive working environment
- Family-friendly working conditions that promote the compatibility of work and family life
- Participation on the VBB company ticket
- Company-owned electric bicycles for business trips
- Our institute is located on the edge of a picturesque park-like landscape and is easy to reach by public transport or by bicycle

Application procedure (deadline etc.)

If you would like to contribute your professional competence to our interdisciplinary research, please apply by the following deadline 28th March 2022 using ATB’s online application form for the job advertisement, code 2022-4-5, at https://www.atb-potsdam.de/en/career/vacancies. Applications received after the application deadline cannot be considered.

Equality of opportunity is part of our personnel policy. Disabled applicants with adequate qualification will be preferentially considered.

By submitting an application, you agree that your job application documents will be stored for a period of six months, even in the
case of an unsuccessful application. Further information on the processing, storage and protection of your personal data can be found at https://www.atb-potsdam.de/en/services/data-protection-declaration-for-the-application-process.

**Contact**

For further information, please contact Dr. Sebastian Vogel (Tel.: 0331/ 56 99 426; E-Mail svogel@atb-potsdam.de) and visit our website www.atb-potsdam.de.