



Universität Potsdam

The **University of Potsdam, Faculty of Science, Department of Computer Science** and the **Leibniz Institute for Agricultural Engineering Potsdam-Bornim (ATB)** invites in a joint appointment the position of an

W 1-Juniorprofessorship and Leader of the Junior Research Group “Data Science in Agriculture”

Responsibilities: The successful applicant is expected to develop a research program in the field of data science and collaborate with researchers of the ATB in studying applications in the field of agricultural engineering. Possible research foci include the coupled analysis of data from various subsystems of agricultural production, weather and climate information, environmental data, sensor data and agronomical parameters (properties of soil, plants, livestock), modeling and optimization of production processes, and data-based decision support for the control of agricultural production processes. According to its medium to long-term research planning, the scientific work of the ATB focuses on the provision of knowledge and methods for improving the resource efficiency of agricultural production systems. Analysis and exploitation of data that are exchanged between the elements of agricultural production processes, ecological system, human, and production systems offer a great potential to improve the efficiency of the flow of material and energy.

Qualifications: Candidates are expected to have a strong research profile in the area of data science, machine learning, data mining, big data analytics, or related areas of computer science that offer a strong potential for applications in agriculture. Candidates must show a strong interest in interdisciplinary research, demonstrated for instance by joint publications with researchers from life sciences or engineering.

In addition, we expect good knowledge of German language or a high degree of willingness to learn German.

According to State law (Brandenburgisches Hochschulgesetz - BbgHG), preconditions for the appointment as a Junior Professor include a completed university education, teaching skills, and a special qualification for academic work, which is usually demonstrated through an outstanding PhD thesis. International experience, an outstanding publication record and a teaching record are advantageous.

The total time for completion of the PhD and subsequent post-doc employment should not have exceeded six years.

Appointments are made according to §§ 40 and 46 BbgHG. The appointment as a civil servant or a public employee will be made for up to four years in the first instance and can be extended to up to 6 years in total, conditional upon a positive evaluation. **There is the opportunity to be taken on for a permanent, tenured position at the ATB in conjunction with a joint appointment at the University of Potsdam following positive evaluation.**

The University of Potsdam and the ATB strives to increase the proportion of women in research and teaching and specifically encourages female applicants to apply for this position. Handicapped applicants will be given preference in case of equal suitability. People with an immigration background are specifically encouraged to apply.

The University of Potsdam offers dual career support and coaching for newly-appointed professors: <http://www.uni-potsdam.de/en/neue-beschaefigte/information-for-newly-appointed-professors.html>

For further questions do not hesitate to contact Prof. Dr. Reiner Brunsch, Scientific Director of ATB, email: rbrunsch@atb-potsdam.de, phone: +49 (0)331 5699 100.

Applications (with a presentation of your research interests, curriculum vitae, copies of academic certificates and documents, a list of publications, a list of conducted courses, a list of externally funded projects) should be sent to the University of Potsdam ausschreibungen@uni-potsdam.de within four weeks of the publication of this notice.

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