

Job advertisement No. 72/2024

As the German National Library of Science and Technology our future-oriented services ensure the infrastructural requirements for a high-quality supply of information and literature for research in science and industry. With the Open Research Knowledge Graph ([ORKG](#)), we are working to revolutionise the exchange and use of scientific knowledge in the digital age. Together with CERN and other partners, we are developing research-related services for the INSPIRE HEP database, the leading information platform for high-energy physics.

The Technische Informationsbibliothek ([TIB](#)) – Leibniz Information Centre for Science and Technology - Program Area A, Collection Development and Metadata, is looking for a

Project staff member (m/f/d) “Content Selection INSPIRE HEP”

to join the Scientific Services division as of the next possible date.

The position is limited to two years without objective reason according to § 14 Abs. 2 TzBfG. The regular weekly working time is 39.8 hours (full-time). The position is only suitable for part-time work to a limited extent. The remuneration is based on [pay scale group 13 TV-L](#).

Your challenge

As part of an international consortium, TIB is engaged in the curation and further development of [INSPIRE HEP](#) as a renowned community-driven information infrastructure committed to Open Access. This includes Content Selection, a critical task for the operations of INSPIRE HEP. Informed by natural language processing methods determining the similarity to existing metadata records, curators decide about the inclusion of articles into the INSPIRE HEP database. In this project, we aim at the extensive automation of this process by leveraging improved classification algorithms.

Your tasks include

- Selecting and training appropriate classification algorithms and integrating them into an ensemble model using existing open-source software.
- Analyzing, preparing, and continuously ensuring the quality of the achieved results.
- Supporting the integration of the developed solutions into the workflows of INSPIRE HEP.
- Contributing to the quality-assured operation of INSPIRE HEP, by making decisions about the inclusion of articles until sufficient automation is achieved.
- Communicating and coordinating with project partners within the INSPIRE HEP consortium.
- Contributing to and supporting the publication of scientific results related to the project.
- Optionally, applying the developed approaches to similar challenges in the field of materials science.

Your profile

For this challenging position, we are looking for a dedicated individual who demonstrates a high level of service orientation, a customer-focused mindset, and strong organizational skills. You should have excellent communication and teamwork abilities, take initiative, be flexible, and work independently and responsibly.

In addition, we expect:

- A successfully completed academic degree (Master's or equivalent) in physics or a related discipline.
- Basic knowledge of methods and techniques in machine learning, such as text-processing techniques (Natural Language Processing).

- Experience with a scripting or programming language, preferably Python.
- Basic interest in and understanding of high-energy physics as well as topics such as research software engineering, data science, and open science.
- Excellent proficiency in English, both written and spoken.

Desirable additions to your profile

- Practical experience in research projects related to high-energy physics.

What we offer

- A job in the public service oriented towards the common good on the basis of the collective agreement for the public service of the German states (TV-L) with a salary in [pay scale group 13 TV-L](#).
- A flexible workplace in terms of time and space with [offers to reconcile work and family life](#), such as mobile and remote work options as well as flexible working time models (flexitime).
- A special annual payment at the end of the year and 30 days of vacation per year with a five-day working week.
- A modern workplace in a central location of Hannover with a collegial, attractive and versatile working environment.
- An employer with a wide range of internal and external further education and training measures, workplace health promotion and a supplementary pension scheme for the public sector ([VBL](#)).
- Employee discount in the canteens of the [Studentenwerk Hannover](#) as well as the possibility to use the various offers of the [University Sports Hannover](#) at a discount.
- Independent and future-oriented activities that offer variety and room for personal development.

If you are interested, questions regarding the position can be addressed to Dr. Holger Israel, by mail at Holger.Israel@tib.eu.

How to apply

We look forward to receiving your application. To submit your application, please click [here](#).

Paper applications are also possible on an equal basis. In this case, please send your complete application documents with the subject **72/2024** before **January 12, 2025** addressed to

Technische Informationsbibliothek (TIB)
Personalservice
Herrn Daniel Eilers
Welfengarten 1 B
30167 Hannover
Germany

or alternatively as a single PDF document file to bewerbung@tib.eu. For applications in digital form, please send a PDF file with a maximum size of 10 MB.

We invite you to include an indication of your annual salary expectations with your application.

Who we are

TIB, being part of the Leibniz Research Association, is with around 600 employees one of the largest technical information centres in Germany, having three main functions:

1. Acting in the capacity of the Leibniz Information Centre for Science and Technology, our forward-looking

services secure the infrastructural requirements for providing researchers in science and industry with high-quality information and literature.

2. Carrying out cutting edge research to further expand TIB's role as a German information centre for the digitisation of science and technology.
3. Offer library services for the Leibniz University Hannover.

TIB is an equal opportunity employer, providing ideal working conditions, and continuously taking action to enable its employees to combine career interests with family life. It wants to promote equal career opportunities for women and men in particular and therefore urges qualified women to apply.

Severely disabled candidates with comparable qualifications will be given preferential treatment.

We welcome applications from all nationalities.

Please note that your application documents will not be returned and application and travel costs cannot be reimbursed.

Please indicate in the subject line of your application through which job board you became aware of our offer.

For more information about the TIB, please visit: www.tib.eu/en/