

Global thinking,
interdisciplinary research:
the spirit of Leibniz!



Nestled in a modern city surrounded by nature and with an exceptional standard of living, Leibniz University Hannover offers excellent working conditions in a vibrant scientific community.

The advertised position offers the opportunity to gain initial insights into scientific work as well as a comprehensive look at various aspects of manufacturing technology. The IFW offers a modern research infrastructure, future-orientated topics and a large industrial network!

The Institute of Production Engineering and Machine Tools (IFW) welcomes applications for the following position starting at the earliest possible date:

Student Assistant in the field of "Intelligent data acquisition for predicting manufacturing quality" (23 hours per month)

The fixed-term position is for a duration of 3 months for project-related reasons.

Your role

Are you interested in digital data-based manufacturing technologies? Help develop data acquisition and analysis systems for CNC machines. You will support us, for example, in projects on intelligent manufacturing technologies, magnetic guidance systems and digital CNC systems. From simulation to application and research into new technologies on state-of-the-art test stands and machines, you will gain practical insights into current digitalisation concepts, digital twins and the latest innovations in manufacturing technology.

The area of responsibility includes support with the:

- Development of a data acquisition system
- Signal processing and sensor data analysis (including experimental tests)
- Application of machine learning

Who are we looking for?

We are looking for a motivated student assistant to join our team with immediate effect.

Your profil:

- You have a good command of German and English
- You work independently and in a structured manner
- Interest in machine technologies, data analysis and control engineering
- Knowledge of machine tools and manufacturing technology is an advantage
- Experience in using MATLAB and knowledge of TwinCAT or PLC is desirable

The successful candidate must be enrolled at a German higher education institution in a degree programme relevant to the position.

Equal opportunities and diversity are core values at Leibniz University Hannover. Our goal is to tap into individual potential and open up possibilities. We therefore welcome applications from anyone interested in the position, irrespective of gender, nationality, ethnic origin, religion or ideology, disability, age, sexual orientation and identity. Preference will be given to equally-qualified candidates with disabilities.

Why join us?

With more than 5.000 employees, Leibniz University Hannover is one of the largest and most attractive employers in the Hannover region. We offer a vibrant interdisciplinary and international working environment, and promote personal and professional [development](#) ranging from subject-related skills to languages.

To promote health and well-being among employees, we offer an extensive [sports programme](#) with over 100 different sports, as well as a fitness centre with a sauna and climbing space. [Health management](#) measures, such as courses on stress management, good nutrition and relaxation, aim to ensure a healthy workplace.

Additional information

For further information, please contact Arjun Balekudru Bhat (tel.: +49 511 762-18266, email: bhat@ifw.uni-hannover.de).

Please submit your application and supporting documents by 15th April 2025 electronically to

Email: bhat@ifw.uni-hannover.de

or alternatively by post to:

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Institute of Production Engineering and Machine Tools
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<http://www.uni-hannover.de/en/jobs>

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