

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 April 1st, 2025:

Student Assistant on the subject of "Diamond grinding tools with grain concentration gradient" (23 hours per month)

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

Your role

Precise knowledge of process forces and energy conversions is essential for the further development of manufacturing processes. We are currently preparing the collection of meaningful measured values for an industrial project that is due to start soon. The aim of the project is to increase the energy efficiency of the machine tools used. We need your support in the metrological recording of the forces, temperatures and machine performance acting in the milling process.

The area of responsibility includes support with:

- PLC programming of measuring computers
- Installation of sensors (e.g. dynamometers, strain gauges, energy measurement technology)
- Carrying out and analysing test series

Who are we looking for?

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

Your profile:

- You have a good command of German or English
- Independent and structured work is a matter of course for you
- Interest in machine technologies and control technology
- Knowledge of TwinCAT 3 / PLC programming is helpful, but not required

A prerequisite for employment is valid enrolment at a German university in a degree programme relevant to the position (mechanical engineering, chemistry, materials science or similar subjects).

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 Dominic Fröhlich (phone: +49 511 762-4839, email: d.froehlich@ifw.uni-hannover.de).

Please submit your application and supporting documents by March 21st, 2025 electronically to

Email: d.froehlich@ifw.uni-hannover.de

or alternatively by post to:

Gottfried Wilhelm Leibniz Universität Hannover
Institute of Production Engineering and Machine Tools
Dominic Fröhlich
An der Universität 2, 30823 Garbsen

<http://www.uni-hannover.de/en/jobs>

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