



Job vacancy

PhD position (m/f/d) in Optimization
at the
Institute for Mathematical Optimization
at Technische Universität Braunschweig
(full time – limited to initially 3 years)

Technische Universität Braunschweig with nearly 20,000 students and approximately 3,700 employees offers a teaching and research environment with excellent facilities and a personal atmosphere at the same time.

The position is intended primarily for the qualification of young scientists and offers the possibility of pursuing a PhD degree. In addition to independent in-depth scientific work in the aforementioned sense, the duties include involvement in teaching in accordance with §31 NHG as well as participating in research projects of the institute.

The successful candidate will have

- an excellent master's degree or equivalent in mathematics, industrial mathematics, business and financial mathematics, or a comparable course of study
- a strong background in mathematical optimization

Furthermore, the following are a plus:

- expertise in at least one of the areas mixed-integer optimization, multilevel optimization, optimization under uncertainty or mathematics of machine learning
- experience with mathematical optimization software
- good programming skills
- experience in teaching
- experience and interest in application projects
- profound communication skills in English

The position is initially limited to 3 years and can be extended in case of mutual interest within the limits of WissZeitVG.

The position is generally suitable for part-time work, but should be filled full-time. Depending on the assignment of tasks and fulfillment of personal requirements, the salary will be up to salary group 13 TV-L. The expected starting date is April 2022.

Severely disabled persons are given preference in the case of equal qualification. Proof of disability must be enclosed.

TU Braunschweig strives in all areas and positions to reduce underrepresentation in the sense of NGG. Therefore, applications from women are particularly welcome.

Personal data will be stored for the purpose of carrying out the application process.

Please send your application documents (letter of motivation, CV, academic certificates, final theses, list of publications if applicable) via e-mail to m.merkert@tu-braunschweig.de by **January 10, 2022**.

Until the position is filled, applications received later may still be considered.

For more information, please visit <https://www.tu-braunschweig.de/en/mo> or contact +49 531 391 7592 (Prof. Dr. Maximilian Merkert).