



**Weierstrass Institute for Applied Analysis
and Stochastics**
Leibniz Institute in Forschungsverbund Berlin e. V.



The Weierstrass Institute for Applied Analysis and Stochastics (WIAS) is an institute of the Forschungsverbund Berlin e.V. (FVB). The FVB comprises seven non-university research institutes in Berlin which are funded by the federal and state governments. The research institutes belong to the Leibniz Association.

WIAS invites applications for a
PhD student position (f/m/d)
(Ref. 26/11)

in the Research Group “**Nonsmooth Variational Problems and Operator Equations**”
(Head: Prof. Dr. Micheal Hintermüller) to be filled **at the earliest possible date**.

This position offers the opportunity for independent scientific research aimed at advancing your own academic qualifications.

Field of work: Optimization or inverse problems with partial differential equations with specialization in one or several of the following fields:

Problems associated with:

- artificial intelligence and machine learning,
- nonsmooth components,
- uncertainties or stochastic influences.

The position is dedicated to the analysis of these problems as well as the design and implementation of efficient algorithms for their solution.

We are looking for: A highly motivated, outstanding student with a master's degree in mathematics. A strong background in mathematical optimization and good experience with the theory and numerical methods for partial differential equations are required.

What we offer:

- Close mentorship: the PhD student will receive responsible and careful mentorship by both principal investigators, who emphasize fostering a healthy mentor-mentee relationship.
- WIAS Berlin is a premier research institution known for its strength in partial differential equations, mathematical modeling, nonlinear optimization, and applied mathematics in general.
- A certified (Audit berufundfamilie) family-friendly work environment.
- Berlin is one of the most culture-rich and diverse international cities in the world. It offers endless opportunities to enjoy life outside work, while being very affordable compared to other major cities. Neither the job nor living in Berlin requires German language (although WIAS offers free German courses). We highly welcome international applications. Scientifically, Berlin offers a rich landscape with numerous opportunities for research, as well as job prospects in academia and industry.



**Weierstrass Institute for Applied Analysis
and Stochastics
Leibniz Institute in Forschungsverbund Berlin e. V.**



Please direct scientific queries to Prof Dr. Michael Hintermüller (michael.hintermueller@wias-berlin.de).

The appointment is limited to three years. The reduced work schedule is 29.25 hours per week, and the salary is according to the German TVoED Bund scale.

The Weierstrass Institute is an equal opportunity employer. We explicitly encourage female researchers to apply for the offered position. Among equally qualified applicants, disabled candidates will be given preference.

How to apply:

Please upload your complete application documents (motivation letter, detailed CV, certificates, copy of the master thesis, etc.) via our [applicant portal](#) using the button "[Apply online](#)".

The advertisement is open with immediate effect and will remain open until the position will be filled.

We are looking forward to your application!