



The Faculty of Mathematics and Computer Science of the TU Bergakademie Freiberg invites applications for the position of a



Research assistant (m/f/d) – Position number 236-E/2022

which is associated to the research group on uncertainty quantification.

Salary:	13 TV-L
Compensation:	90 % of a full-time equivalent (0,9 FTE, increase optional if applicable)
Time limit:	3 years (extension for 3 additional years is optional)

Job description:

The position comes with a teaching load of up to four hours per week per semester. The teaching will consist of exercises/tutorials accompanying lectures in the field of stochastics (mainly for students of mathematics and engineering sciences). Moreover, you conduct independent research and pursue a personal qualification goal such as a doctorate or habilitation. The scientific interests of the research group lie within

- Uncertainty quantification for differential equations with random data
- high-dimensional Bayesian statistics and Bayesian inverse problems
- Data assimilation and related algorithms
- Efficient sampling methods, particularly Markov chain Monte Carlo
- Uncertainty in machine learning

We offer:

- interdisciplinary scientific research within a highly motivated team,
- a wide range of networking and mentoring opportunities as well as an extensive further education programme by the graduate and research academy
- working at a family-friendly university with flexible working hours
- a competitive salary and attractive fringe benefits, e.g. asset-based benefits (VL), company pension schemes (VBL), health management, and a discounted ticket for local public transport

We expect:

- university diploma or masters degree (university level) in mathematics or a related subject
- profound knowledge in stochastics, experience with methods for uncertainty quantification, Bayesian statistics, or machine learning is of advantage
- a high motivation, the ability to perform research independently and to work in interdisciplinary teams
- proficiency in written and spoken English (a basic level of German is advantageous)

**For further information, please contact Jun.-Prof. Dr. Björn Sprungk; phone: +49 3731 39-3225;
E-Mail: bjoern.sprungk@math.tu-freiberg.de.**

The applicant (m/f/d) must meet the hiring requirements for fixed-term employment contracts according to the *WissZeitVG*. Applicants with disabilities will receive preferential consideration, provided they possess equal qualifications. For consideration, we ask you to submit proof of your disabled status together with your application documents. TU Bergakademie is committed to increasing the number of women in teaching and research positions, hence qualified female candidates are especially encouraged to apply.

Written applications, including a CV, motivation letter and copies of all relevant qualifications documents (certificates, diplomas) should be submitted **October 3rd, 2022** stating **reference number (236-E/ 2022)** to the following address:

**TU Bergakademie Freiberg, Dezernat für Personalangelegenheiten, 09596 Freiberg or
e-mail: bewerbungen@tu-freiberg.de**

Your application documents will not be returned, please only submit copies. TU Bergakademie Freiberg is always looking for scientific personnel from various disciplines. Further information can be found at <http://tu-freiberg.de/wirtschaft/karriere/stellenausschreibungen>