

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Faculty of Mathematics, Institute of Mathematical Stochastics**, the **Chair of Probability Theory** offers a position as

Research Associate / PhD Student (m/f/x)

(subject to personal qualification, employees are remunerated according to salary group E 13 TV-L)

starting **December 1, 2026**. The position comprises 75 % of the fulltime weekly hours and is limited to three years. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position aims at obtaining further academic qualification (usually PhD).

Tasks:

- contribution to scientific research on stochastic processes with jumps (Lévy processes, Feller processes), non-local operators and semigroups in probability theory
- contribution to teaching in mathematics degree programs (Bachelor, Master, teacher training) and in courses offered for non-mathematical degree courses according to the Regulations on Duties and Responsibilities of Institutes of Higher Education – HSDAVO
- participation in tasks of academic self-administration

Requirements:

- above-average university degree in mathematics
- good knowledge of stochastic processes
- knowledge of functional analysis or Fourier analysis
- for non-native German speakers: very good command of written and spoken German (at least C1 certificate)

We offer:

- opportunity for engaging and independent work within a flat hierarchy, in an open-minded team and supportive atmosphere
- flexible arrangements for work hours to support a good work-life balance
- 30 days of vacation per year (based on a 5-day workweek)
- extensive opportunities for professional development and continuing education
- health care and sports programs offered by TUD
- discounted job ticket (also available as a Deutschlandticket)
- participation in the supplementary pension scheme for employees in the public sector via VBL (Federal and State Government Employees Retirement Fund)

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The university is a family-friendly university. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Application: Please submit your detailed application with the usual documents by **August 31, 2026** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf file to rene.schilling@tu-dresden.de or to:

TU Dresden, Chair of Probability Theory, Prof. Dr. René Schilling, Helmholtzstr. 10, 01069 Dresden, Germany.

Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

TUD is a founding partner in the DRESDEN-
concept alliance.

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Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website:
<https://tu-dresden.de/karriere/datenschutzhinweis>.