The Institute for Mathematics of the Faculty V – Mathematics and Natural Sciences at the University of Oldenburg invites applications for a

Research associate [wissenschaftliche:r Mitarbeiter:in] (f/m/d)
(Salary Group 13 TV-L, 100 % of regular working time)

position limited to two years.
This position is also suitable for part-time.

The position is a part of the research project „Spectral analysis for transmission conditions". The project is dedicated to the spectral theory of self-adjoint and indefinite Laplace and Dirac operators with transmission conditions along hypersurfaces. There are no teaching duties associated with the position, the knowledge of German is not required.
As part of the activity, the opportunity for further scientific qualification is offered. The starting date is at the latest October 1, 2022. This advertisement is subject to the provision of third-party funds by the German Research Foundation.

Requirements:
- a completed doctoral degree in mathematics, with main emphasis on analysis or partial differential equations. The degree must be completed before the contract starts.
- very good knowledge in one or more of the following research areas:
  - self-adjoint extensions of partial differential operators,
  - boundary value problems in domains with corners,
  - spectral theory of partial differential operators,
  - pseudodifferential operators and microlocal analysis,

which should normally be supported by relevant scientific publications.
Previous experience with boundary integral operators or non-semibounded differential operators is desirable.

The University of Oldenburg intends to increase the proportion of female employees in the field of science and encourages women to apply for this position. In accordance with Lower Saxony regulations (§ 21 Section 3 NHG) female candidates with equal qualifications will be preferentially considered. Applicants with disabilities will be given preference in case of equal qualification.

Applications in German or English together with the usual documents (cover letter, curriculum vitae, list of publications, copies of degree certificates, two-page summary of previous research activity, contact information of at least two persons who could provide letters of recommendation) are to be sent (as single PDF file) with **reference „Projektstelle Spektralanalysis" via e-mail** to the Institute for Mathematics, c/o Mrs. Antje Hagen (ifm@uni-oldenburg.de), Universität Oldenburg, 26111 Oldenburg, **by January 31, 2022.**

For further information please contact Konstantin Pankrashkin (responsible of the research project), E-Mail: konstantin.pankrashkin@uol.de, Webpage: https://uol.de/pankrashkin .