



Leibniz
Universität
Hannover

In the DFG Collaborative Research Centre CRC 1464 TerraQ, the Positioning and Navigation group at Institut für Erdmessung invites applications for a

PhD Position (m/f/d) on GNSS Frequency Transfer (Salary Scale 13 TV-L, 100 %)

starting as soon as possible. The position is initially limited to 3 years.

Responsibilities and duties

In this PhD project, the GNSS error budget for frequency transfer will be investigated in details based on existing and new dedicated measurement campaigns in the laboratory and the fields. Information from Interferometric Fibre Links of the project partner PTB (National Metrology Institute of Germany) will serve as a ground truth. New GNSS PPP concepts will be developed to improve the stability of the GNSS frequency transfer and to contribute to relativistic geodesy.

Employment conditions

To qualify for the position, applicants must hold a scientific university degree (Master, Diploma, or equivalent) in geodesy, GNSS, navigation or any related field. Furthermore, the ability for interdisciplinary and independent work as well as a very good command of the English language and a passion for learning German are required. Sound experience in GNSS measurements, processing and analyses as well as programming and simulations in MATLAB are expected.

What we offer

The DFG Collaborative Research Centre CRC 1464 "TerraQ- relativistic and quantum-based geodesy" is characterised by its unique interdisciplinarity of quantum physics and geodesy. TerraQ aims to advance quantum-based measurement concepts for monitoring mass changes from space and on ground, combined with the corresponding data analysis and modelling, in order to provide sophisticated tools that significantly enhance our knowledge on the involved change processes in the system Earth.

We offer PhD students research challenges at the highest level, project responsibility and a top-class international network. With our integrated graduate school, we offer a wide range of further education opportunities in our interdisciplinary research field and soft skills to prepare for a successful career.

Leibniz University Hannover considers itself a family-friendly university and therefore promotes a balance between work and family responsibilities. Part-time employment can be arranged upon request.



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The university aims to promote equality between women and men. For this purpose, the university strives to reduce under-representation in areas where a certain gender is under-represented. Women are under-represented in the salary scale of the advertised position. Therefore, qualified women are encouraged to apply. Moreover, we welcome applications from qualified men. Preference will be given to equally-qualified applicants with disabilities.

For further information, please contact Prof. Dr. Steffen Schön (Phone: +49-511 762-3397, Email: schoen@ife.uni-hannover.de).

Applications have to include a CV, the full academic record (certificates, transcript of record of B.Sc. and M.Sc. or equivalent in English or German language), as well as a research statement (one page) indicating your personal interest and strengths for this PhD topic, as well as initial research ideas concerning this topic.

Please submit your application with supporting documents until May 9th, 2021 in electronic form to

Email: weyrauch@ife.uni-hannover.de

or alternatively via postal mail to:

Gottfried Wilhelm Leibniz Universität Hannover

Institut für Erdmessung

Ms. Dr. Mona Weyrauch

Schneiderberg 50

30167 Hannover

GERMANY

<http://www.uni-hannover.de/jobs>

Applications that are submitted after that date (May 9th, 2021) might be taken into account until the position is filled.

Information on the collection of personal data according to article 13 GDPR can be found at <https://www.uni-hannover.de/en/datenschutzhinweis-bewerbungen/>.