



Leibniz  
Universität  
Hannover

The Positioning and Navigation group at Institut für Erdmessung invites applications for a

## **PhD/PostDoc Position (m/f/d) on GNSS Navigation and atomic clocks (Salary Scale 13 TV-L, 100 %)**

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

### **Responsibilities and duties**

The tasks include the development of alternative navigation concepts with GNSS receivers using precise atomic clocks. The first topic is the exploration of the use of atomic clocks for GNSS fingerprinting in kinematic applications in order to make GNSS receivers more robust. In a second focus, integrity concepts are to be developed for GNSS-based time synchronization, for example for 5G. In addition to theoretical developments and simulation studies in Matlab, test measurements are to be carried out and evaluated with the developed prototypes. Applications are precise vehicle navigation in inner-city areas and time synchronization.

### **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. We expect excellent academic achievements. Furthermore, the ability for interdisciplinary and independent work as well as a very good command of the English language are required. Sound experience in GNSS measurements, processing and analyses as well as programming and simulations in MATLAB are expected.

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.

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](mailto:schoen@ife.uni-hannover.de), Web: [www.ife.uni-hannover.de](http://www.ife.uni-hannover.de)).



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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 strengths and ideas for this topic. Please submit your application with supporting documents until May 9<sup>th</sup>, 2021 in electronic form to

Email: [schoen@ife.uni-hannover.de](mailto:schoen@ife.uni-hannover.de)

or alternatively via postal mail to:

**Gottfried Wilhelm Leibniz Universität Hannover**

Institut für Erdmessung

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