



Leibniz
Universität
Hannover

For many years image interpretation and remote sensing have been a main focus of research at IPI, the Institute of Photogrammetry and GeoInformation. In national and international co-operations we develop novel methods for the automatic classification of aerial and satellite images, also in combination with laser scanner and radar data. More information about IPI can be found on our web site: <http://www.ipi.uni-hannover.de>.

We are currently looking for a

PhD student in Image Analysis (Salary group TV-L E 13).

The position is limited to 3 years, an extension is possible.

Project description: Updating topographic databases using current aerial and satellite imagery.. Up-to-date topographic information is essential for a number of applications such as environmental monitoring, driver assistance systems and regional planning. In this project we will look for ways to automatically update a given database by comparing its content to current aerial and satellite images using an image classification approaches. The project is carried out in cooperation with the State Authority Surveying Offices in Lower Saxony as well as neighbouring German States. Our partners will provide ample data and ensure practical relevance of the project results. The work is part of the photogrammetric image analysis research at IPI and will significantly contribute to the institute research in this area.

Employment conditions

As the successful candidate you have an outstanding M.Sc. degree in photogrammetry, remote sensing, computer science, electrical engineering or a related field. In addition, you are motivated to do first class scientific research; you have experience in writing computer programs (C/C++) and some knowledge in image processing. The ability to work independently, excellent communication skills and a very good command of the English language are further assets.

Part-time employment can be arranged upon request. As an equal opportunities employer, Leibniz Universität Hannover intends to promote women in the context of statutory requirements. For this reason suitably qualified women are specifically invited to apply. Equally qualified applicants with disabilities will be given preferential treatment.

Screening of the applications will begin on **February 28, 2017**. The position will be filled as soon as a suitable candidate has been found. Please send your application in digital form to the e-mail addresses mentioned below. Applications should include a CV, the full academic record as well as a Research Statement (one page) indicating your specific interest in the topic and discussing your personal interest and strengths for doing PhD research.

For further information, please contact Christian Heipke, heipke@ipi.uni-hannover.de, or Franz Rottensteiner, rottensteiner@ipi.uni-hannover.de who will be pleased to assist.