Leibniz Universität Hannover

For many years image interpretation has 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 acquisition and update of static and dynamic scene models from aerial and satellite images as well as from laser scanner and radar data and from terrestrial image sequences. More information about IPI can be found on our web site: http://www.ipi.uni-hannover.de.

In our young and enthusiastic international team we currently have an opening for a

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

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

Recently, Convolutional Neural Networks (CNN) have achieved very good results in a large number of applications involving feature extraction and image classification. The successful candidate will investigate the possibilities of integrating CNNs with local and global prior knowledge in the presence of noisy and partly missing training data for multi-class problems in photogrammetry and remote sensing. 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, in particular in image classification and pattern recognition. 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 **September 15, 2016.** 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.