



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 scene static and dynamic 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>.

Fakultät für Bauingenieurwesen
und Geodäsie

Institut für Photogrammetrie
und GeoInformation
Prof. Dr.-Ing. habil. Christian Heipke

In our young and enthusiastic international team we currently have an open

Claudia Sander
Tel. +49 511 762-2482
Fax +49 511 762-2483
E-Mail: sekretariat
@ipi.uni-hannover.de

PhD position in image analysis (Salary group TV-L E 13).

The position is limited to 3 years. A further extension is possible.

30 September 2013

Project description: Transfer learning for hierarchical Conditional Random Fields for the classification of urban aerial and satellite images

It is the goal of this research project that is supported by the German Science Foundation to develop a method for the supervised classification of urban aerial and satellite images based on a statistical model of context. A hierarchical approach is applied to consider context both, in a local and in a larger neighbourhood. Transfer learning helps to adapt a classifier trained on a specific data set to new scenes without requiring additional training data.

The successful candidate will be a member of our photogrammetric image analysis group and will significantly contribute to the institute research in this area.

Employment conditions

You have a M.Sc. degree in photogrammetry, remote sensing, computer science, electrical engineering or a related field with distinctions. 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 matching and image sequence analysis and pattern recognition.

Within the given legal context the Leibniz Universität Hannover wants to support women in their careers and therefore particularly requests qualified women to apply for the position.

Please send your application to the address mentioned above by 1 November 2013. For further information, please contact Prof. Christian Heipke, Ph.: ++49 511 762 2482, email: heipke@ipi.uni-hannover.de, who will be pleased to assist.

Besucheradresse:
Nienburger Straße 1
30167 Hannover
www.ipi.uni-hannover.de

Zentrale:
Tel. +49 511 762 0
www.uni-hannover.de