The Research Training Group RTG 2088 „Discovering Structure in Complex Data: Statistics meets Optimization and Inverse Problems" (Speaker: Prof. Gerlind Plonka-Hoch) at the Georg-August-University Göttingen offers a

PostDoc position

beginning on October 1st, 2015. The salary is in accordance with the German public service salary scale (E13 TV-L) with 100% of the regular working hours (currently 39.8 hours per week) for two years.

The research projects in this RTG focus on new mathematical concepts for the efficient reconstruction and classification of relevant structural information in data sets, without reconstructing the entire information inherent in the data. One of the guiding principles of this RTG consists of discovering and rigorously exploiting structural a priori information in order to obtain the desired information. Methodologically, specific emphasis will be laid upon the interplay between approaches in statistics, optimization, and inverse problems. Most of the proposed PhD projects arise from signal or image processing applications in biology, medicine or engineering.

We are looking for a postdoc having strong expertise related to at least one of the fields inverse problems, optimization, mathematical statistics, data analysis, probability theory, computational topology, mathematical signal and image processing, but showing considerable breadth in her/his previous research and a willingness to explore new topics.

Candidates should fulfill the following requirements:

•An excellent doctorate in mathematics and a strong publication record
•A strong background in one of the mathematical disciplines covered by the RTG
•Very good English skills (written and spoken)
•Willingness to work in interdisciplinary teams
•Good programming skills are beneficial.

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply as they are underrepresented in this field. Disabled persons with equivalent aptitude will be favored.

Detailed information on the application process, the **research topics** and the **training program** are available at http://www.uni-goettingen.de/de/514290.html..

You find the **online application** platform here:

https://s-lotus.gwdg.de/uni/umna/grk_2088.nsf/enter

Only applications submitted via the application platform will be considered in the selection process. Closing date is the **30th of June, 2015**. For further information please contact plonka@math.uni-goettingen.de.