

The Computer Science Department (Informatik III) of the **University of Bonn, Germany**, in collaboration with the department of Knowledge Discovery of **Fraunhofer Institute IAIS** invites applications for the following position

Researcher (Wissenschaftliche/r Mitarbeiter/in)
- **visual analytics and visual data science** –
(PostDoctoral researcher or PhD student)

The position is co-funded by the DFG Priority research programme “Volunteered Geographic Information: Interpretation, Visualisation and Social Computing” (SPP 1894) and Horizon 2020 project SoBigData++. The position is a part of the joint research group of the University of Bonn and Fraunhofer Institute IAIS, which focuses on visual analytics and knowledge discovery in databases. The group has an excellent record of international projects, scientific results, and publications at prestigious conferences and in highly reputed journals.

The candidate would elaborate and develop scalable visual and algorithmic methods for the analysis of different types of spatiotemporal data (movement data, events, spatial time series), which will be capable to deal with the high complexity of geographical space, time, and multidimensional attributes. Specifically, the successful candidate will work on topics of social media analysis for the SPP VGI project and for sport analytics (with focus on football, a.k.a. soccer) for SoBigData++.

The candidate is expected to have completed a Diploma, Master degree, or (preferably) PhD in Computer Science and proven capabilities in data science (Python or R), software engineering (Java, SQL) and algorithms. Knowledge of Data Mining and Information Visualization is a prerequisite. Knowledge of GPU programming and practical handling of spatiotemporal data is an advantage. The candidate should be fluent in English and have good writing skills. For non-German speakers, gradual learning of the German language is required.

The position is available for an initial period of 24 months, with possible extension till 3 years. The work can start as soon as possible. The salary is according to EG 13, TV-öD.

Applicants are expected to submit a letter of interest, the curriculum vitae, a list of course marks, the publication list, and the names and addresses of two persons who are willing to provide letters of reference upon request.

If you are interested in this position, please contact
Prof. Dr. Stefan Wrobel and Prof. Dr. Gennady Andrienko:

Stefan.Wrobel@iais.fraunhofer.de
Gennady.Andrienko@iais.fraunhofer.de

<http://geoanalytics.net/>

