

Vacancy

The Helmholtz Centre Potsdam, German Research Centre for Geosciences (GFZ), is the national Research Centre for Geosciences in Germany and a member of the Helmholtz Association. The GFZ belongs to the Potsdam Research Cluster for Georisk Analysis, Environmental Change and Sustainability „PROGRESS“. PROGRESS is a multidisciplinary endeavour aiming at developing methods, concepts and technologies for geo- and climate hazards, early warning and adopting strategies (<http://www.geo.uni-potsdam.de/progress/>). For the sub-project “Information integration and visualization” the GFZ invites applicants for a PhD and a Scientist positions to perform research in geovisualization supporting risk analysis, risk assessment and risk communication. The fields of interest are: a) Visualization of spatio-temporal data quality and uncertainty and b) Geovisual Analytics which combines methods from interactive geovisualization and computational analysis, especially spatio-temporal data mining.

Scientist Position (m/f) No. 71/1/09 D

Tasks:

- Establishing and representing the research field of Geovisual Analytics at GFZ
- Developing combined concepts of spatio-temporal data mining and geovisualization methods for risk analysis, risk assessment and risk communication
- Implementing the concepts as prototypes
- Cooperating with the interdisciplinary PROGRESS partners
- Publishing and presenting scientific results
- Guiding PhD and Diploma students
- Developing project proposals

Qualifications:

- PhD in Computer Science, Informatics, Geoinformatics, Earth Sciences
- Fundamental knowledge in one or more of the following fields
 - Information visualization,
 - Geovisualization,
 - Data Mining
- Programming skills preferable in Java or C++
- Interest in the field of earth sciences
- Responsible and self dependent work attitude
- Abilities to work in interdisciplinary teams
- Good English skills

Start: 01.02.2010
Duration: until 31. May 2013
Salary: EG 14 TVöD-O
Contact: Mrs. Prof. D. Dransch (email: dransch@gfz-potsdam.de)
Application Deadline: Evaluation will begin two weeks after the announcement and will continue until the position is filled.

PhD position (m/f)
No. 72/1/09 D

Tasks:

- Developing concepts for visualization of uncertainties and quality of spatio-temporal data for risk analysis, risk assessment and risk communication
- Implementing the concepts as prototypes
- Cooperating with the interdisciplinary PROGRESS partners
- Publishing and presenting of scientific results

Qualifications:

- University degree in Geoinformatics, Geography/Earth Sciences (with minor in Computer Science) or Computer Science
- Background and knowledge in one or more of the following fields
 - > Information visualization;
 - > Geovisualization,
 - > Data quality
- Programming skills preferable in Java or C++
- Interest in the field of earth sciences
- Abilities to work in interdisciplinary teams
- Good English skills

Start:	01.01.2010
Duration:	3 years
Working hours:	19,5 hours/week
Salary:	EG 13 TVöD-O
Contact:	Mrs. Prof. D. Dransch (email: dransch@gfz-potsdam.de)
Application Deadline:	Evaluation will begin two weeks after the announcement and will continue until the position is filled.

Equal opportunity is part of our personnel policy. The GFZ encourages applications from qualified female candidates. There is a kindergarten service available. Handicapped applicants will be given preference in the case of equal qualifications.

Please submit your applications with CV including a publication record and a research statement to:
Helmholtz-Zentrum Potsdam
Deutsches GeoForschungsZentrum
Personal- und Sozialwesen
Telegrafenberg
14473 Potsdam

Potsdam, 11. November 2009

Dr. Hörstrup