



Open position as

Research Associate



within the Mathematical Geology and Geoinformatics Group (from Oct. 1, 2018, Geoinformatics and Geomathematics Group) at the Department of Geosciences, Geoengineering and Mining. Starting date is no later than Oct. 1, 2018.

Salary: pay bracket TV-L13
Duration: 3 years, extension by another 3 years possible

We are a mathematically oriented research group in a strong geoscientific and geoengineering environment. Our research focuses on the analysis of various problems in geoscience (often based on potential theoretic concepts), on the one hand, and the development of numerical methods for the (mathematical and computational) handling and processing of multidimensional geodata, on the other hand. The latter involves in particular the visualization of such data sets.

Within the scope of the position, we are looking for an independent person that, on a mathematically sound basis, strengthens and supports the group in the geoinformatics and geomodelling based aspects of research and teaching.

Responsibilities

- Research and publication of results in one of the areas above
- Teaching support in geoinformatics and geomathematics
- Development and prototypical implementation of algorithms

Further qualification (PhD, habilitation) can be obtained in the course of this position

Requirements

- completed PhD in (geo)mathematics, (geo)informatics, or (geo)physics preferred; at least a very good Master or equivalent university degree in one of the areas above
- Experience in at least one of the following areas: geomodelling, (geo)scientific computing, visualization and imaging
- Experience with GIS- and geomodelling software
- Programming experience in Matlab and/or at least one further programming language
- Very good oral and written communication skills in English; additionally, good knowledge of the German language, or the acquisition of such, is necessary for the teaching part of the position
- High motivation for interdisciplinary and independent research and support in teaching

For further information, contact Dr. Christian Gerhards (from Oct. 1, 2018, Professor for Geoinformatics and Geomathematics); Tel. +43 1 4277 23717, E-Mail: christian.gerhards@univie.ac.at (www.csc.univie.ac.at) or Prof. Dr. Helmut Schaeben, Tel.: +49 3731 39 2784, E-Mail: schaeben@tu-freiberg.de (tu-freiberg.de/fakult3/gy/ma-geo/chs_index.html)

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by April 22, 2018, mentioning the position ID 52/E/2018

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