

## JOB ADVERTISEMENT

The Complexity Science Hub Vienna is a growing international research institute in the area of complexity and big data science. The objective of CSH is to host, educate, and inspire complex systems scientists who are dedicated to collect, handle, aggregate, and make sense of big data in ways that are directly valuable for science and society. We are hiring a

### DATA SCIENTIST – VISUALIZATION FULL TIME

for the development of new methods in multilayer networks, big data analysis, ambient computing, and the visualization of complex networks, geographic information and 3D.

#### RESPONSIBILITIES

The main task is the communication of complex quantitative information by means of graphical representations. Responsibilities include the representation of (among other) complex networks, geographic information, as well as 3D visualizations in offline and interactive online content. In addition to basic knowledge in the field of data handling, this requires in-depth knowledge of the relevant visualization tools and web programming.

#### REQUIREMENTS

- PhD in (theoretical or computational) physics, mathematics, computer science, or a related scientific field;
- Experience in designing outstanding, appealing visualizations of complex scientific data sets;
- Experience working with software visualization technologies such as D3, and standard web technologies including HTML5, CSS, and JavaScript;
- Experience with network visualization technologies such as Gephi or Cytoscape is an advantage;
- Experience with GIS data visualization;
- Competence in handling data sets in different formats;
- Experience with standard tools of Unix-like operating systems;
- Experience with databases; experience with PostgreSQL is an advantage;
- Experience with Matlab is an advantage;
- Excellent command of English;
- Strong analytical skills;
- Proactive, self-organized, and team-oriented personality;
- Critical, open-minded and collaborative spirit.

#### APPLICATION

If you are excited to work in an international research environment in the heart of Vienna, we invite you to apply for this position by December 31, 2016. Please email your application material (cover letter, research statement, CV, publication list, references) in a single PDF to [office@csh.ac.at](mailto:office@csh.ac.at).

We offer a temporary contract with an initial duration of 24 months. The salary follows PostDoc rates according to Austrian Science Fund rates.