

Post-Doctoral position in Complex Systems

Full time (40h)

Complexity Science Hub, Vienna, Austria

€ 55.000 gross per year*



The [Complexity Science Hub Vienna](#) is a young research institution dedicated to a deeper quantitative and predictive understanding of complex systems for the betterment of society. We provide an exciting, creative, bureaucracy-free environment for open-minded visionaries who want to make a change and are brave enough to step out of mainstream science to work on the most pressing questions of our times.

Post-Doctoral position in Complex Systems

Estimate of reputation in collaborative systems

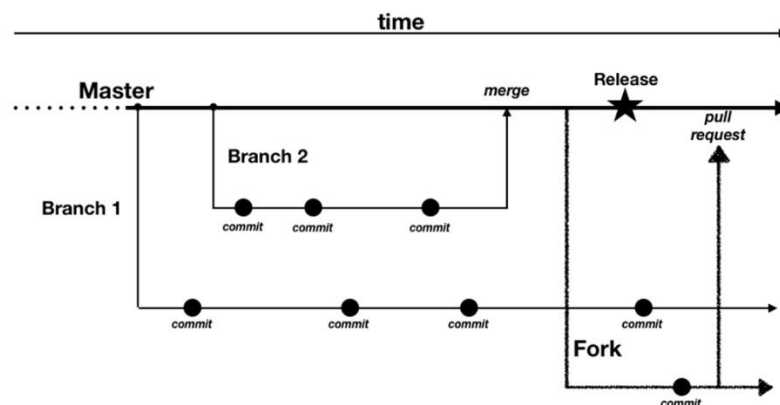
The Complexity Science Hub Vienna in collaboration with SONY-CSL Paris offers a 1-year Post-Doctoral position (with the possibility of extension) to investigate the complex network of collaborations in two large Github ecosystems.

YOUR PROFILE

The candidates are required to hold a PhD in either physics, mathematics or computer science. The *ideal* applicants should have experience in handling and analyzing big data and developing modelling schemes. We expect the applicant to have a critical, open-minded and collaborative spirit.

YOUR RESPONSIBILITIES

- analysis of the Rust and Julia ecosystems hosted on Github (the respective data were already collected and cleaned during a previous project)
- statistical characterization of the complex network of projects and developers
- development of an algorithm to estimate the reputation of developers and quality of projects
- development of a credit sharing system based on the estimated reputation of developers



WE OFFER

A position in a dynamic, creative, internationally oriented, appreciative and open working environment. The variety of projects at the Hub will allow you to engage in new topics and to collaborate with world renowned scientists. The successful applicant will work in a multidisciplinary research group dealing with innovation dynamics, information dynamics, agent based modelling.

APPLICATION

To apply, please submit your CV, a motivational letter, as well as any additional material that helps us understand that you are research-oriented, technically skilled, and creative to office@csh.ac.at. Applications will be screened right after submission. The call for applications remains open until the position is filled.

The CSH Vienna processes your personal data in accordance with the law (www.csh.ac.at/data-protection/).

*According to the standard personnel costs and salaries of the Austrian Science Fund FWF.