As a University of Excellence, Universität Hamburg is one of the strongest research universities in Germany. As a flagship university in the greater Hamburg region, it nurtures innovative, cooperative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

Pending approval of external funding the Faculty of Mathematics, Informatics and Natural Sciences, Department of Informatic, Algorithm, Randomising and Theorie invites applications for a

RESEARCH ASSOCIATE FOR THE PROJECT

“DISTRIBUTED SYSTEMS OF COLLABORATIVE AGENTS”

- SALARY LEVEL 13 TV-L -

The position in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on October 1, 2020 pending external funding.

This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed for a period of 36 month. The position calls for 39 hours per week. This position is also suitable for part time employment.

RESPONSIBILITIES:

Duties include academic services in the project named above. Research associates may also pursue independent research and further academic qualifications.

SPECIFIC DUTIES:

Research duties focus on the mathematical analysis of efficient approximation and online algorithms as well as randomized processes, in particular on scheduling problems and resource allocation in graphs. The general goal is to design provably correct/efficient algorithms and to develop lower bounds.

This position is advertised in connection with the research Unit "Algorithms, Dynamics and Information Flow in Networks". In this Research Unit researchers in computer science and mathematics will investigate the fundamentals of networks. We will analyse real-world and virtual networks, including infection processes, computer networks and social networks on the internet. The focus will be on the mathematical analysis and modelling of networks with the aim of better understanding unanswered questions relating to the dynamics and algorithmic controllability of networks. This will enable the transition from mathematical foundations to the use of efficient algorithms and models.
REQUIREMENTS:

A university degree in a relevant subject plus doctorate. Excellent knowledge in theoretical computer science or discrete mathematics. Experience in the analysis of algorithms or random processes is desirable but not required. The same holds for teaching experience at university level (e.g., as a tutor or teacher). A good knowledge of the English language, the ability to perform independent research, and the desire to push yourself and your knowledge are expected.

The Free and Hanseatic City of Hamburg promotes equal opportunity. As women are currently underrepresented in this job category at Universität Hamburg according to the evaluation conducted under the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HambGleiG), we encourage women to apply for this position. Equally qualified and suitable female applicants will receive preference.

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

For further information, please contact Prof. Dr. Petra Berenbrink, berenbrink@informatik.uni-hamburg.de or consult our website at https://www.inf.uni-hamburg.de/de/inst/ab/art.html. For further information about the third-party funded project take a look at https://www.dfg.de/en/service/press/press_releases/2020/press_release_no_14/index.html

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by August 15, 2020 to: berenbrink@informatik.uni-hamburg.de.

Please do not submit original documents as we are not able to return them. Any documents submitted will be destroyed after the application process has concluded.