Johannes Gutenberg University Mainz (JGU) is one of the largest universities in Germany. Thanks to its location in the Rhine-Main science region, the university can unfold to its full potential and showcase its innovative power and dynamism. Its status as a comprehensive university allows for multidisciplinary learning and teaching and has great potential for internationally renowned, interdisciplinary research. Almost all of its institutes are located on a single campus close to the Mainz city center – creating a lively academic culture for researchers, teaching staff, and students from every continent.

The **Information Systems group** (https://infosys.informatik.uni-mainz.de) headed by Prof. Dr. Felix Schuhknecht at the **Institute of Computer Science** of JGU aims to fill the following vacancy as soon as possible.

Research Scientist
full-time (100 %)

Your tasks:
The duration of the contract is determined by the DFG-funded project "Declarative Performance for Datalog". The project aims at integrating true declarative performance in Datalog engines: Without any manual user intervention, a Datalog engine should be able to translate a declarative program into a highly optimized execution plan. To do so, you are supposed to step-wise integrate a set of analytical and empirical optimizations techniques into a state-of-the-art Datalog execution engine and evaluate their effectiveness.
The position is initially limited in time and will end after a period of 3 years. The successful applicant is expected to work on her or his PhD thesis during that time.

Your profile:
Applicants must meet the general requirements according to public services law and the Higher Education Act of Rhineland-Palatinate (§ 57 Hochschulgesetz – Higher Education Act). The ideal candidate has a master's degree in computer science or a related field. Experience that relates to the topics of the project, such as data management, is a plus. Candidates are expected to have solid programming skills (preferably in C/C++), be proficient in oral and written English, possess excellent communication skills, and be team- and result-oriented. As the project consists of two research scientists, interaction with the other researcher will be essential.

What we have to offer:
You will be part of a highly qualified international team and a stimulating work environment. We offer you comprehensive additional services, such as the payment of an annual special payment, participation in the additional pension scheme in the public sector via the VBL, the possibility of purchasing a job ticket and extensive personnel development offers.

The position is paid according to **EG 13 TV-L** and to be filled as soon as possible. The position is limited in time to three years.

JGU is diverse and welcomes qualified applications from people with varied backgrounds. We attach great importance to the compatibility of family and career. Family-friendly framework conditions, such as flexible working hours and hybrid working offer optimal conditions for this.

We aim to increase the number of women in the field of research and teaching and therefore encourage female researchers to apply.

Candidates with severe disabilities and appropriate qualifications will be given priority.

Interested candidates should send their motivation letter, CV, transcripts, and the contact information of two or three referees in one PDF file no later than **May 15th, 2023**, by stating the **identification no. 01623-08-wiss-nk** via email to Prof. Dr. Felix Schuhknecht:

schuhknecht@uni-mainz.de

Data protection information