Saarland University is a campus university with an international reputation for research excellence, particularly in computer science and in the life sciences and nanosciences. The university is also distinguished by its close ties to France and its strong European focus. Around 17,000 students, studying over one hundred different academic disciplines, are currently enrolled at Saarland University. Saarland University is officially recognized as one of Germany's family-friendly higher-education institutions and with a combined workforce of more than 4000 it is one of the largest employers in the region.

The Chair for Artificial Intelligence is inviting applications for the following position commencing at the latest on **01 May 2021**

Academic research assistant (m/f/x)

Reference numberW1805, salary in accordance with the German TV-L salary scale[1], pay grade: E13 TV-L. Employment period: initially limited to 2 years, contract can be renewed up to 6 years when satisfying legal requirements, employment: 100 % of standard working time (the full-time position can be splitted into two part-time jobs).

Workplace/Department:

The Chair of Artificial Intelligence, headed by Prof. Jana Koehler, conducts research around AI-based solutions for the intelligent analysis und optimization of business and industrial processes. The intelligibility of event-based data and models is of particular interest to ensure the correctness, robustness, and compliance of processes. Within the area of AI technologies, we focus on Constraint- and SAT-Solvers including their respective modeling methods, which we strive to improve through reinforcement learning.

Challenging tasks and an exciting network of contacts support you in advancing your career.

Job requirements and responsibilities:
- Research on model and data intelligibility with a focus on event-based data from industrial processes and constraint-based optimization models
- Establishment of your own research group & contribute to the acquisition and management of research projects
- Supervision of students and support of the teaching activities of the chair
- Cooperation with the research area "Algorithmic Business and Production" at DFKI Saarbrücken and other research partners

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[1] TV-L = collective agreement on remuneration of public sector employees in the German *Länder*

Your academic qualifications:
- Doctoral degree / PhD in Computer Science with focus on Artificial Intelligence (Constraint Programming, Reinforcement Learning, AI Planning, Search Algorithms) or in Mathematics (Discrete Optimization, Scheduling Algorithms)

The successful candidate will also be expected to have:
- Clear objectives for the further development of his/her scientific career
- Enjoyment in theoretical and practical research questions
- Very good knowledge of German and English
- Ability to work in an international team
- Very good communication, publication, and presentation skills

What we can offer you:
- Team-oriented and multi-disciplinary work environment with the opportunity to accomplish own ideas
- A rich network of contacts to advance your career
- A flexible work schedule allowing you to balance work and family
- A broad range of further education and professional development programs
- An occupational health management model with numerous attractive options, such as our university sports program
- Supplementary pension scheme (RZVK)
- Discounted tickets on local public transport services ('Jobticket')

We look forward to receiving your **electronic application** under **reference number W1805 to** abp-office@dfki.de until April 06, 2021. Please include the following documents:
- Detailed and complete CV including employers' references, work contracts
- Master/diploma certificates including transcript of records, PhD certificate
- Electronic copies of your PhD, master or diploma thesis and relevant publications
- Other proofs of qualification or certification if available

If you have any **questions**, please contact us for assistance. Your contact:
Frau Andrea Nawrath-Herz
abp-office@dfki.de
Tel.: +49 681 85775 5257

In accordance with the objectives of its equal opportunities plan, Saarland University seeks to increase the proportion of women in this field. Qualified women candidates are therefore strongly encouraged to apply. Preferential consideration will be given to applications from disabled candidates of equal eligibility. The successful candidate has the option of choosing to work part-time in this position.

Pay grade classification is based on the particular details of the position held and the extent to which the applicant meets the requirements of the pay grade within the TV-L salary scale.

When you submit a job application to Saarland University you will be transmitting personal data. Please refer to our privacy notice for information on how we collect and process personal data in accordance with Art. 13 of the Datenschutz-Grundverordnung. By submitting your application you confirm that you have taken note of the information in the Saarland University privacy notice.