To strengthen our dedicated Autonomous Driving team in the research department Agents and Simulated Reality in Saarbrücken we are looking for

**Engineer (m/f/d)**

full-time, initially limited to 2 years

The research department Agents and Simulated Reality, headed by Prof. Dr. Philipp Slusallek, develops innovative methods of Artificial Intelligence (AI), Visual Computing and High-Performance Computing. The team Autonomous Driving (AD), headed by Principal Researcher Dr. Christian Müller, conducts research on AI-based environment perception and trajectory planning for autonomous vehicles (Level 4).

Your tasks:

- Extending functionality of the open-source simulation platform openDS, developed within DFKI and further extended towards AD. Extensions include, but not limited to:
  - Radar simulation based on RayTracing algorithm
  - Further integration of open formats for automatic scene generation
  - Participation in ongoing team activities by providing engineering support to the research members of AD team
  - Migration of the in-house developed algorithms to the end-hardware unit, e.g. NVIDIA AGX Pegasus

Your qualifications:

- Very good master degree in computer science or a discipline with significant overlap with computer science and focus on AI
- Good knowledge in the fields of artificial intelligence, machine learning, planning and multi-agent systems, and the willingness to familiarize yourself with the subjects quickly, sufficiently, and independently when needed.
- Good proficiency in software engineering in Java, C++; (multi-)agent programming are beneficial
- Excellent English language skills (speaking and writing)
- Independent, committed and highly team-oriented way of working

Your benefits:

- Opportunity to participate in interdisciplinary AI research projects
- Excellent industry contacts
- An innovative, agile and professional working environment
- If appropriate, opportunity to work towards a PhD in computer science

We look forward to receiving your informative application documents and your earliest possible starting date!

Please send your application until 30.11.2020 via E-Mail to Dr. Oliver Keller
oliver.keller@dfki.de

The German Research Center for Artificial Intelligence (DFKI) is Germany’s leading business-oriented research institution in the field of innovative software technologies based on artificial intelligence methods. In the international scientific community, DFKI ranks among the most recognized “Centers of Excellence” and currently is the biggest research center worldwide in the area of Artificial Intelligence and its application in terms of number of employees and the volume of external funds. The DFKI cooperates closely with national and international companies.

Priority will be given to applicants with severe disabilities if their professional and personal qualifications are essentially the same. The DFKI intends to increase the proportion of women in science and therefore expressly invites women to apply.