For our research department Intelligent Networks in Kaiserslautern we are looking for a

**Researcher / PhD Student (m/f/d)**

*(full-time [100%], limited-time)*

The research department Intelligent Networks, headed by Prof. Dr.-Ing. Hans Dieter Schotten, develops and implements innovative concepts for challenging communication solutions, in particular for deployments in industrial production environments.

**Your tasks:**

- Implementation of digital filters and equalizers.
- Implementation of algorithms and data pipelines on hardware platforms such as USRPs.
- Scientific publishing at conferences and presentation of research results in the context of regular project meetings.
- Collaboration in the acquisition, implementation and project management of national and international research and development projects (BMBF, EU, etc.) in the field of novel applications of artificial intelligence.

**Your qualifications:**

- Master's degree in electrical engineering or information technology (or comparable).
- Good German and English language skills.
- Sound knowledge in the field of Information and communication technology and embedded programming.
- Good programming skills in C/C++ or Python.
- Basic knowledge of FPGA programming (VHDL or Verilog).

**Your benefits:**

- The opportunity to participate in interdisciplinary research projects.
- Wide range of outstanding industrial contacts and excellent equipment.
- An innovative and agile working environment at the pulse of technology development.
- Possibility of a doctorate at the TU Kaiserslautern.

We look forward to receiving your informative application documents in electronic form at schotten-office@dfki.de until 30.06.2020.

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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.

Severely disabled applicants and peers are given special consideration if they are equally suitable. The DFKI intends to increase the share of women in the field of science and therefore urges women to apply.