To strengthen our dedicated team in the research department Intelligent Networks in Kaiserslautern we are looking for a

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

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

The research department Intelligent Networks, led by Prof. Dr.-Ing. Hans Dieter Schotten, develops and implements innovative concepts for novel security solutions, in particular for deployment in industrial production environments, e.g., Cyber-Physical Production Systems (CPPSs).

**Your tasks:**

- Design and implementation of security solutions for industrial and IoT networks
- Publication and presentation of research results on conferences and project meetings
- Application of AI (e.g. federated learning) for intrusion detection in industrial communication
- Participation in the acquisition of and work on national and international research and development projects (BMBF, EU, etc.) in the field of IT security and network security

**Your qualifications:**

- Master's degree in computer science, electrical engineering or information technology (or comparable)
- Scientific curiosity and continuous learning spirit
- Good knowledge of English necessary and German favorable
- Deep knowledge of the basics in network security
- Scientific programming skills, e.g. Python/Numpy, C++ etc.
- Experience with machine learning tools like Tensorflow or PyTorch

**Your benefits:**

- The opportunity to participate in interdisciplinary research projects
- Excellent industrial contacts
- Excellent equipment
- An innovative, agile and professional working environment at one of the most outstanding IT locations in Germany
- Possibility of a doctorate at the TU Kaiserslautern

We look forward to receiving your informative application documents until December 14th, 2020. Please send your application via E-Mail to schotten-office@dfki.de.

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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.