CALLING ALL FUTURE EXPERTS IN INDUSTRIAL AUTOMATION OR CRITICAL INFRASTRUCTURES! WE AT FRAUNHOFER AISEC WOULD LIKE TO OFFER YOU AN EXCITING POSITION AS A RESEARCH ASSOCIATE (M/F): INDUSTRIAL SECURITY

What we expect from you

- A completed scientific degree in Computer Science, Computer Engineering, Electrical Engineering, Mechanical Engineering, or a related discipline
- Extensive knowledge in the area of IT security and, preferably, existing experience in the practical implementation of solutions
- Experience with the hardware and software of embedded systems. Practical experience with industrial automation systems is additionally desirable
- Ability to work independently and in an engaged manner, and to complete both conceptual and implementation tasks quickly and efficiently
- Strong ability to work in a team, and very good knowledge of the German (minimum level B2) and English language, both written and spoken
- An experimental nature and interest in the research and practical implementation of innovative attack techniques on embedded systems

What you can expect from us

Your focus will be on research and development work on secure IT systems for industrial automation and control systems, for the Industrial Internet, Industry 4.0 and/or IT security in critical infrastructures like smart grids. In the context of national and international projects, you will be working with our industrial and research partners on the development and implementation of measures to secure control systems against IT security threats. In our automation laboratory, you will use advanced methods to develop and evaluate the embedded security of novel components for secure automation systems.

Your responsibilities will also include the conceptual examination of complex systems, the development of testing methods and tools, as well as the actual execution of attacks on systems and components in order to identify vulnerabilities. The lessons learned from these activities will be used to develop new and innovative technical solutions and, additionally, will be incorporated into scientific and technical studies.

We offer a challenging job in a young and creative work environment of a research institute as well as a wealth of possibilities for personal and professional development at one of the most popular employers in Germany. For those that meet the qualifications and who have interest, we also support further education at the PhD level. Remuneration according to TVöD pay grade 13 (dependent on qualifications). In case of identical qualifications, preference will be given to severely disabled candidates. The Fraunhofer-Gesellschaft is committed to providing equal career opportunities for men and women. This vacancy is also available on a part-time basis.

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Please apply online and attach the following documents:

- Motivation letter
- CV
- Copies of all school and academic records including marks as well as work certificates
- Certificate of German language skills

http://ais.ec/job19968