CALLING ALL FUTURE EXPERTS IN OPERATING SYSTEMS AND EMBEDDED OS SECURITY! WE AT FRAUNHOFER AISEC WOULD LIKE TO OFFER YOU AN EXCITING POSITION AS A

RESEARCH ASSOCIATE (M/F): EMBEDDED OS SECURITY

What we expect from you

- A completed scientific degree in Computer Science or a related area
- Experience in the area of operating systems (e.g. GNU/Linux, Android, or micro-kernel-based operating systems)
- Additional knowledge in the areas of system virtualisation (e.g. using Xen, KVM) or mechanisms such as LSM (SELinux etc.) or LXC is a plus
- Ability to work independently and in an engaged manner, and to complete both conceptual and applied 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
- Interest in scientific work, an experimental nature, and interest in the research and practical application of attack techniques (such as, for example, code injection and ROP) and reverse engineering

What you can expect from us

Your core activities will be in research and development in the area of operating systems security. In the context of national and international projects, you will be working together with partners from industry and research on the development and implementation of security measures for (mobile) systems.

Your tasks will include the development of tools for the practical implementation of attacks and the development of countermeasures to defend against them. The conceptual and practical further development of software architectures and protocols, especially in open source environments (GNU/Linux, Android), is another important part of your tasks. Lessons learned will be incorporated into scientific and technical publications.

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.